

**1989**

***WILDFIRE ACTIVITY STATISTICS***



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**Director**

## WILDFIRE ACTIVITY STATISTICS

### FOREWORD

The California Public Resources Code directs the State Board of Forestry to designate state and privately-owned forest, watershed, and rangeland as "State Responsibility Area." The department's fire protection mission is to protect natural resources on those lands from damages by wildfire. Land not designated as State Responsibility Area is the protection responsibility of federal or local agencies.

The Department of Forestry and Fire Protection provides direct protection for most State Responsibility Area. The remainder is protected by several agencies and counties under a cooperative agreement with the state. The Department of Forestry and Fire Protection also contracts to provide wildland fire protection on certain federal lands, and also provides contracted life and property protection for numerous local governments.

This annual report is primarily a statistical record of fires and damages on State Responsibility Area, and on other areas which the Department of Forestry and Fire Protection protects under contract.

The 1989 publication of Wildfire Activity Statistics was produced from two different database systems. The first six-month period was reported in RBase for DOS with 80 data elements from the FC-18. The later six-month period was reported in the Emergency Activity Reporting System (EARS) database Unix System with 300 data elements. The EARS database file was converted and imported into the existing RBase for DOS file to generate one uniform database for 1989.

The Emergency Activity Reporting System became effective July 1, 1989. Fire data is entered into the computer at the fire station level, then forwarded to the ranger unit headquarters via a modem and phone lines for storage in the ranger unit database. A copy of it is then forwarded to Sacramento Headquarters for storage in the state database.

## **GLOSSARY**

**CDF = California Department of Forestry and Fire Protection**

**CONTRACT COUNTY** = Counties that protect State Responsibility Area with their fire departments by agreement. For providing that protection the counties receive payment from the state, and CDF support and resources as needed for fire suppression. There are six contract counties: Kern, Los Angeles, Marin, Orange, Santa Barbara, and Ventura.

**DIRECT PROTECTION** = The area protected by an agency with its own fire protection force.

**FEDERAL ZONE** = The direct protection area Of U.S. Forest Service, Bureau of Land Management, National Park Service, Department of Defense, and Bureau of Indian Affairs. State Responsibility Area within federal zone is protected by federal agencies. For providing that protection the federal agencies receive payment from the state through a cooperative agreement.

**LOCAL ZONE** = Area in which there is no State Responsibility Area. In general, this is valley floor and desert land. Fire protection in local zone is provided by local government agencies; such as, cities, counties, and fire districts, or by the CDF under contract to local governments.

**LOCAL RESPONSIBILITY FIRE** = A fire that did not burn or threaten to burn natural resources.

**STATE RESPONSIBILITY AREA (SRA)** = The area designated by the State Board of Forestry on which the state assumes financial responsibility for protecting natural resources from damage by fire.

**STATE RESPONSIBILITY WILDFIRE** = An unwanted fire in SRA which burns or threatens to burn natural resources and requires a suppression response.

**STATE ZONE** = State Responsibility Area and intermingled islands of federal land protected by the CDF and contract counties. Most federal land in state zone is protected by the CDF under a cooperative agreement with federal agencies.

**WILDFIRE** = Contraction of "wildland fire." This term is used by wildland fire protection agencies to indicate a vegetation fire. Wildfire generally replaces such terms as forest fire, brush fire, range fire, and grass fire.

# WILDFIRE ACTIVITY STATISTICS 1989

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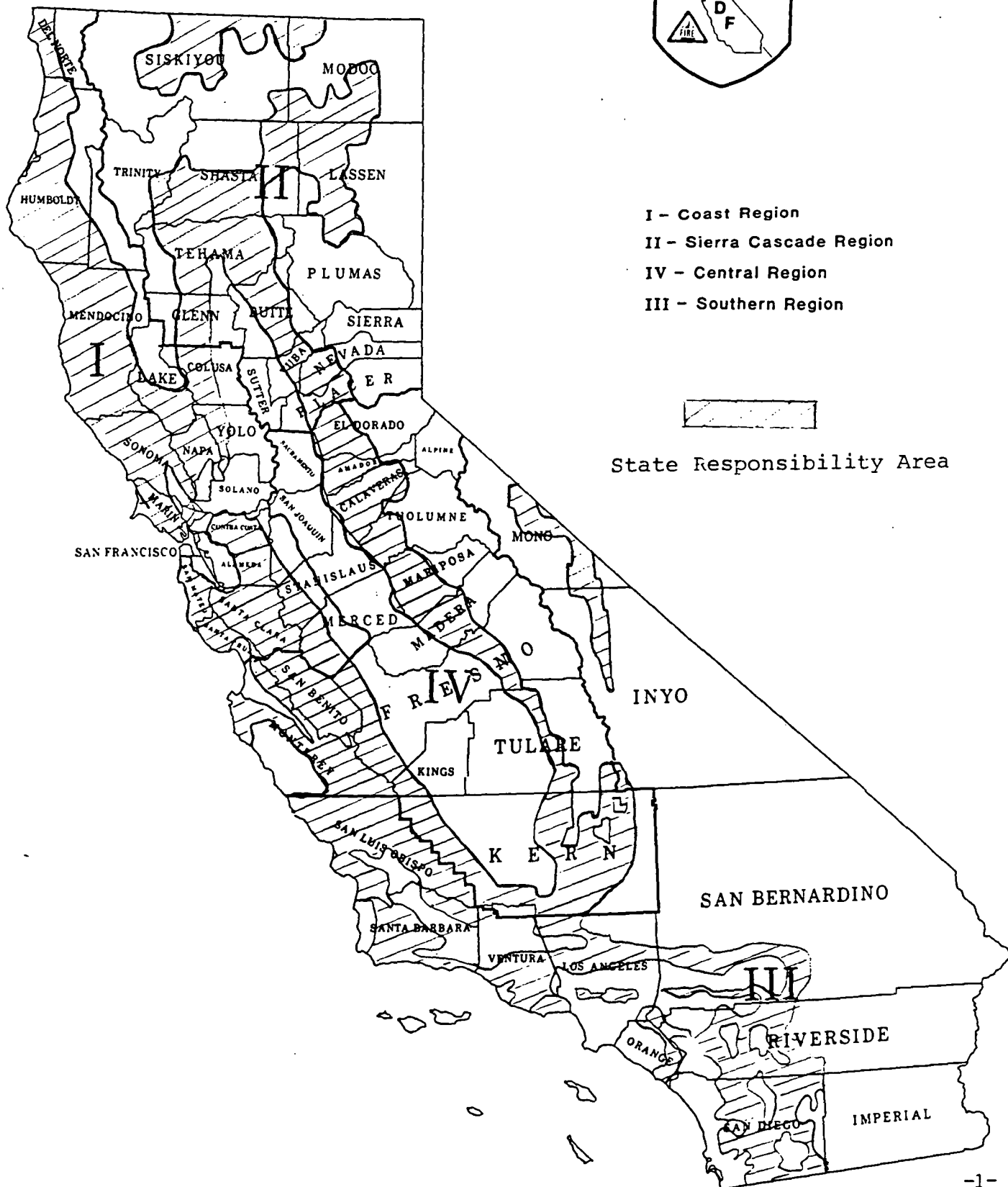
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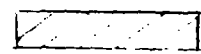
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AREA PROTECTED

# Department of Forestry and Fire Protection



- I - Coast Region
- II - Sierra Cascade Region
- IV - Central Region
- III - Southern Region



State Responsibility Area

FIRE PROTECTION RESPONSIBILITIES  
STATE RESPONSIBILITY AREA  
CDF DIRECT PROTECTION AREA

SRA PROTECTION, BY AGENCY

COUNTIES	CDF	FS	BLM	NPS	CC	SRA TOTAL
Alameda	267,959					267,959
Alpine	0	139,969				139,969
Amador	271,274	11,298				282,572
Butte	471,649	46,289				517,938
Calaveras	532,358	4,735				537,093
Colusa	261,229	5,022				266,251
Contra Costa	244,253					244,253
Del Norte	196,407	24,617				221,024
El Dorado	403,384	171,750				575,134
Fresno	725,690	61,899				787,589
Glenn	303,384	34,411				337,795
Humboldt	1,536,590	77,462				1,614,052
Imperial	5,249					5,249
Inyo	231,400	12,719				244,119
Kern	0	30,293	152,431		1,914,768	2,097,492
Kings	97,080					97,080
Lake	331,752	47,313				379,065
Lassen	477,727	121,805	405,420			1,004,952
Los Angeles	0	37,964			581,926	619,890
Madera	347,253	24,660				371,913
Marin	0				204,199	204,199
Mariposa	413,803	27,146		4,967		445,916
Mendocino	1,875,494	30,750				1,906,244
Merced	411,138					411,138
Modoc	361,725	195,512	67,800			625,037
Mono	135,120	25,641	76,853			237,614
Monterey	1,223,737	23,984				1,247,721
Napa	366,225					366,225
Nevada	250,002	168,502				418,504
Orange	0	2,435			165,270	167,705
Placer	238,174	177,838				416,012
Plumas	42,932	380,041				422,973
Riverside	842,165	71,306				913,471
Sacramento	125,671					125,671
San Benito	683,474					683,474



COUNTIES	CDF	FS	BLM	NPS	CC	SRA TOTAL
San Bernardino	407,834	90,704				498,538
San Diego	1,114,727	82,270				1,196,997
San Francisco	0					0
San Joaquin	153,627					153,627
San Luis Obispo	1,497,713	38,695				1,536,408
San Mateo	187,027					187,027
Santa Barbara	0	60,700			687,579	748,279
Santa Clara	597,616					597,616
Santa Cruz	239,191					239,191
Shasta	1,010,725	280,463				1,291,188
Sierra	0	137,212	1,040			138,252
Siskiyou	742,461	572,065				1,314,526
Solano	108,225					108,225
Sonoma	790,563					790,563
Stanislaus	427,427					427,427
Sutter	0					0
Tehama	1,120,502	149,426				1,269,928
Trinity	192,880	315,082				507,962
Tulare	664,766	17,309	17,320	0		699,395
Tuolumne	286,546	73,680				360,226
Ventura	0	50,013			322,196	372,209
Yolo	204,988					204,988
Yuba	183,105	28,421				211,526
	23,604,221	3,851,401	720,864	4,967	3,875,938	32,057,391

SRA protected by federal agencies 4,577,107  
 Federal acres protected by CDF 3,306,112  
 Federal acres protected by CDF  
     under contract..... 180,593  
     -----  
     3,486,705

Difference (1,090,402)

CDF	California Department of Forestry and Fire Protection	BIA	Bureau of Indian Affairs
FS	Forest Service	BOR	Bureau of Reclamation
BLM	Bureau of Land Management	F & WS	Fish and Wildlife Services
NPS	National Parks Service	COE	Corps of Engineers
CC	Contract Counties	DPA	Direct Protection Area
SRA	State Responsibility Area		

FIRE PROTECTION RESPONSIBILITIES  
STATE RESPONSIBILITY AREA  
CDF DIRECT PROTECTION AREA

CDF DIRECT PROTECTION AREA

COUNTIES	SRA	FS	BLM	BIA	BOR	F & WS	COE	DPA TOTAL
Alameda	267,959		217					268,176
Alpine	0							
Amador	271,274	2,658	9,197	331				283,460
Butte	471,649	36,358	18,076	220				526,303
Calaveras	532,358	47,749	38,194	80			6,329	624,710
Colusa	261,229	7	31,559	725				293,520
Contra Costa	244,253		13					244,266
Del Norte	196,407	18,807	27	595				215,836
El Dorado	403,384	22,088	14,399	160	9,000			449,031
Fresno	725,690	6,493	126,209	1,736			3,321	863,449
Glenn	303,384	2	11,173	80			5,351	319,990
Humboldt	1,536,590	12,009	60,868	94				1,609,561
Imperial	5,249		11,351					16,600
Inyo	231,400	130						231,530
Kern	0							
Kings	97,080		3,728					100,808
Lake	331,752	7,778	126,136	265				465,931
Lassen	477,727	154,440	185,319	1,251				818,737
Los Angeles	0	0						
Madera	347,253	12,472	3,216	1,207			4,571	368,719
Marin	0							
Mariposa	413,803	11,352	67,440	708			2,071	495,374
Mendocino	1,875,494	61	116,631	30,341			5,110	2,027,637
Merced	411,138		5,865					417,003
Modoc	361,725	44,226	93,681	12,422				512,054
Mono	135,120	526		1,269				136,915
Monterey	1,223,737	11	63,502					1,287,250
Napa	366,225		32,703		7,479			406,407
Nevada	250,002	5,756	17,959				2,330	276,047
Orange	0	0						
Placer	238,174	13,428	19,384	21	17,104			288,111
Plumas	42,932	8,405		798				52,135
Riverside	842,165	5,543	120,178	69,853				1,037,739
Sacramento	125,671		157					125,828

COUNTIES	SRA	FS	BLM	BIA	BOR	F & WS	COE	DPA TOTAL
San Bernardino	407,834	1,214	190,745	696				600,489
San Diego	1,114,727	10,062	175,449	94,080				1,394,318
San Francisco	0							
San Joaquin	153,627	8						153,635
San Luis Obispo	1,497,713	14,662	141,692					1,654,067
San Mateo	187,027							187,027
Santa Barbara	0	0						
Santa Clara	597,616	43	7,615					605,274
Santa Cruz	239,191		12					239,203
Shasta	1,022,941	116,773	115,451	2,050	3,109			1,260,324
Sierra	0	0						
Siskiyou	742,461	164,382	89,646	976				997,465
Solano	108,225		2,157					110,382
Sonoma	790,563		7,154	115			17,615	815,447
Stanislaus	427,427		4,471					431,898
Sutter	0							
Tehama	1,120,502	20,597	46,321	85			3,567	1,191,072
Trinity	192,880	22,051	48,122	1,329				264,382
Tulare	664,766	33,036	35,090			920	7,250	741,062
Tuolumne	286,546	22,589	43,432	339			5,825	358,731
Ventura	0							
Yolo	204,988		28,111	185				233,284
Yuba	183,105	3,278	2,007				999	189,389
	23,616,437	818,994	2,228,415	222,011	36,692	920	64,339	26,987,808

SRA protected by federal agencies 4,577,107  
 Federal acres protected by CDF 3,306,112  
 Federal acres protected by CDF  
     under contract..... 180,593  
     -----  
     3,486,705

Difference (1,090,402)

CDF California Department of Forestry and Fire Protection	BIA Bureau of Indian Affairs
FS Forest Service	BOR Bureau of Reclamation
BLM Bureau of Land Management	F & WS Fish and Wildlife Services
NPS National Parks Service	COE Corps of Engineers
CC Contract Counties	DPA Direct Protection Area
SRA State Responsibility Area	

FEDERAL AREA PROTECTED BY CDF  
 UNDER CONTRACT WITH CONTRACT COUNTIES

COUNTIES	FS	BLM	COE	CONTRACT TOTAL	AREA PROTECTED BY CC FOR CDF
Alameda				0	0
Alpine				0	0
Amador				0	0
Butte				0	0
Calaveras				0	0
Colusa				0	0
Contra Costa				0	0
Del Norte				0	0
El Dorado	0			0	0
Fresno				0	0
Glenn				0	0
Humboldt				0	0
Imperial				0	0
Inyo				0	0
Kern	332	160,834	15,977	177,143	2,091,911
Kings				0	0
Lake				0	0
Lassen				0	0
Los Angeles	921	0	0	921	582,847
Madera				0	0
Marin				0	204,199
Mariposa				0	0
Mendocino				0	0
Merced				0	0
Modoc				0	0
Mono				0	0
Monterey				0	0
Napa	0			0	0
Nevada				0	0
Orange	2,282			2,282	167,552
Placer	0			0	0
Plumas				0	0
Riverside				0	0
Sacramento				0	0
San Benito				0	0

COUNTIES	FS	BLM	COE	CONTRACT TOTAL	AREA PROTECTED BY CC FOR CDF
San Bernardino				0	0
San Diego				0	0
San Francisco				0	0
San Joaquin				0	0
San Luis Obispo				0	0
San Mateo				0	0
Santa Barbara	238			238	687,817
Santa Clara				0	0
Santa Cruz				0	0
Shasta				0	0
Sierra				0	0
Siskiyou				0	0
Solano				0	0
Sonoma				0	0
Stanislaus				0	0
Sutter				0	0
Tehama				0	0
Trinity				0	0
Tulare				0	0
Tuolumne				0	0
Ventura	9			9	322,205
Yolo				0	0
Yuba				0	0
	3,782	160,834	15,977	180,593	4,056,531

SRA protected by federal agencies 4,577,107  
 Federal acres protected by CDF 3,306,112  
 Federal acres protected by CDF under contract..... 180,593  
 -----  
 3,486,705

Difference (1,090,402)

CDF California Department of Forestry and Fire Protection	BIA Bureau of Indian Affairs
FS Forest Service	BOR Bureau of Reclamation
BLM Bureau of Land Management	F & WS Fish and Wildlife Services
NPS National Parks Service	COE Corps of Engineers
CC Contract Counties	DPA Direct Protection Area
SRA State Responsibility Area	

**WILDFIRE STATISTICS**  
**ALL AGENCIES**

# 1989 FIRE SEASON SUMMARY

Entering the third consecutive drought year, rainfall for the state averaged 60 to 70% of normal. This resulted in water shortages and low fuel moistures. Palmer Drought Index readings continued in the severe to extreme range.

The early season produced normal activity. California experienced rainfall in early June, early August and the middle of September. This helped to keep fire weather away from long term critical levels. A hot and dry period in July produced major fires in southern California, on the Sierra front in Fresno-Kings Ranger Unit, and in coastal San Luis Obispo Ranger Unit.

During July and August there were four major fires; the largest being the powerhouse in the Fresno-Kings Ranger Unit and the Chispa fire in the San Luis Obispo Ranger Unit for a total acreage of 22,000 with a number of structures lost.

Moisture from old hurricane "Octavia" produced large amounts of rainfall over central California in mid-September. The remainder of the year was relatively quiet. The season, as a whole, ended with below-average acres as a result of no long term adverse weather patterns.

A major earthquake in the Santa Cruz mountains on October 17 caused extensive property damage and loss of life throughout the coast region. CDF committed a large team of resources and personnel which assisted throughout the duration of the disaster recovery period.

## NUMBER OF WILDFIRES AND ACRES BURNED

<u>Direct Protection Area of</u>	<u>Wildfires</u>	<u>Acres Burned</u>
California Department of Forestry and Fire Protection - -	6,635	73,600
United States Forest Service- - - - -	2,115	77,000
Contract Counties - - - - -	842	12,000
U.S. Bureau of Land Management- - - - -	222	9,400
National Park Service - - - - -	210	1,400
1989 TOTAL	10,024	173,400
5-Year Average (1984-1988) - - - - -	11,379	283,400

## 1989 LARGE DAMAGING FIRE SUMMARY

The following list includes fires 300 acres or larger that burned at least:

30 acres of timber, or 300 acres of brush or 1500 acres of woodland and/or grass, or on which 3000 CDF person hours were expended.

The list is primarily CDF fires, but also includes some other agency fires on which CDF forces were significantly involved. The other agency fires shown are not a complete list of any other agencies large fires.

Abbreviations used in this list are:

DATE START	= Date fire started.
DATE CONT.	= Date fire contained.
ORIGIN D.P.A.	= The agency on whose direct protection area (D.P.A) the fire started.
ACRES BURNED	= Acres burned in direct protection area of CDF, other agencies, and total area burned.
VEG. TYPE	= Type of vegetation on area burned.
	T = Timber
	B = Brush
	W = Woodland
	G = Grass
	AP = Agricultural Products
DWELLINGS OR STRUCTURES	= Number of dwellings or structures destroyed or damaged. Dwellings and structures destroyed or damaged by fires not included on this list have not been tabulated.

### MISC. ABBREVIATIONS:

NF	= National Forest
USFS	= United States Forest Service
BLM	= Bureau of Land Management
CC	= Contract County
BIA	= Bureau of Indian Affairs
NP	= National Park
N/A	= Not Available



1989 LARGE DAMAGING FIRE SUMMARY

<u>RANGER</u>	<u>UNIT</u>	<u>FIRE NAME</u>	<u>DATE</u> <u>START CONT.</u>	<u>ORIGIN</u> <u>DPA</u>	<u>ACRES</u> <u>CDF</u>	<u>BURNED</u> <u>OTHER</u>	<u>TOTAL</u>	<u>VEG.</u> <u>TYPE</u>	<u>CAUSE</u> <u>(GEN.)</u>	<u>DWELLINGS</u> <u>AND</u> <u>STRUCTURES</u>
<u>REGION I</u>										
Mendocino N.F.		Valley	08/02-08/05	USFS	-	585	585	TB	Cmpr.	-
Lake-Napa		Cook	08/27-08/30	CDF	536	252	788	B	Arson	-
<u>REGION II</u>										
Butte		Canal	07/07-07/08	CDF	750	-	750	B	Smkg.	-
Lassen-Modoc		Eagle	07/07-07/10	CDF	4600	-	4600	T	Misc.	-
Plumas N.F.		Rock	07/08-07/12	USFS	-	3500	3500	T	N/A	-
Lassen-Modoc		Feather	07/14-07/15	USFS	-	420	420	T	Equip.	-
Tehama-Glenn		Beegum	08/15-08/19	CDF	700	-	700	B	N/A	-
Plumas N.F.		Layman	09/06-09/10	USFS	-	4945	4945	B	N/A	-
<u>Region III</u>										
Owens Valley		Olivas	03/31-04/01	CDF	813	-	813	BG	Rekindle	
Riverside		Mindy	06/16-06/16	CDF	520	-	520	B	Debris	
Riverside		California	06/21-06/22	CDF	505	-	505	B	Equip Use	
Riverside		State 1116	06/27-06/28	CDF	1000	6880	7880	B	N/A	
Riverside		Park	07/05-07/06	CDF	1200	-	1200	B	N/A	11
Riverside		Concordia	07/05-07/05	CDF	1302	-	1302	B	Equip RR	
Riverside		Prado	07/05-07/05	CDF	748	-	748	B	Equip Use	
Riverside		Poppet	07/14-07/15	CDF	1328	-	1328	B	Misc.	
San Bernardino		Joshua	06/20-06/22	CDF	690	-	690	B	Equip	
San Berdo/Angelos NF	San Francisco		06/28-N/A	CC	1330	839	2169	N/A	Arson	6
								N/A	N/A	

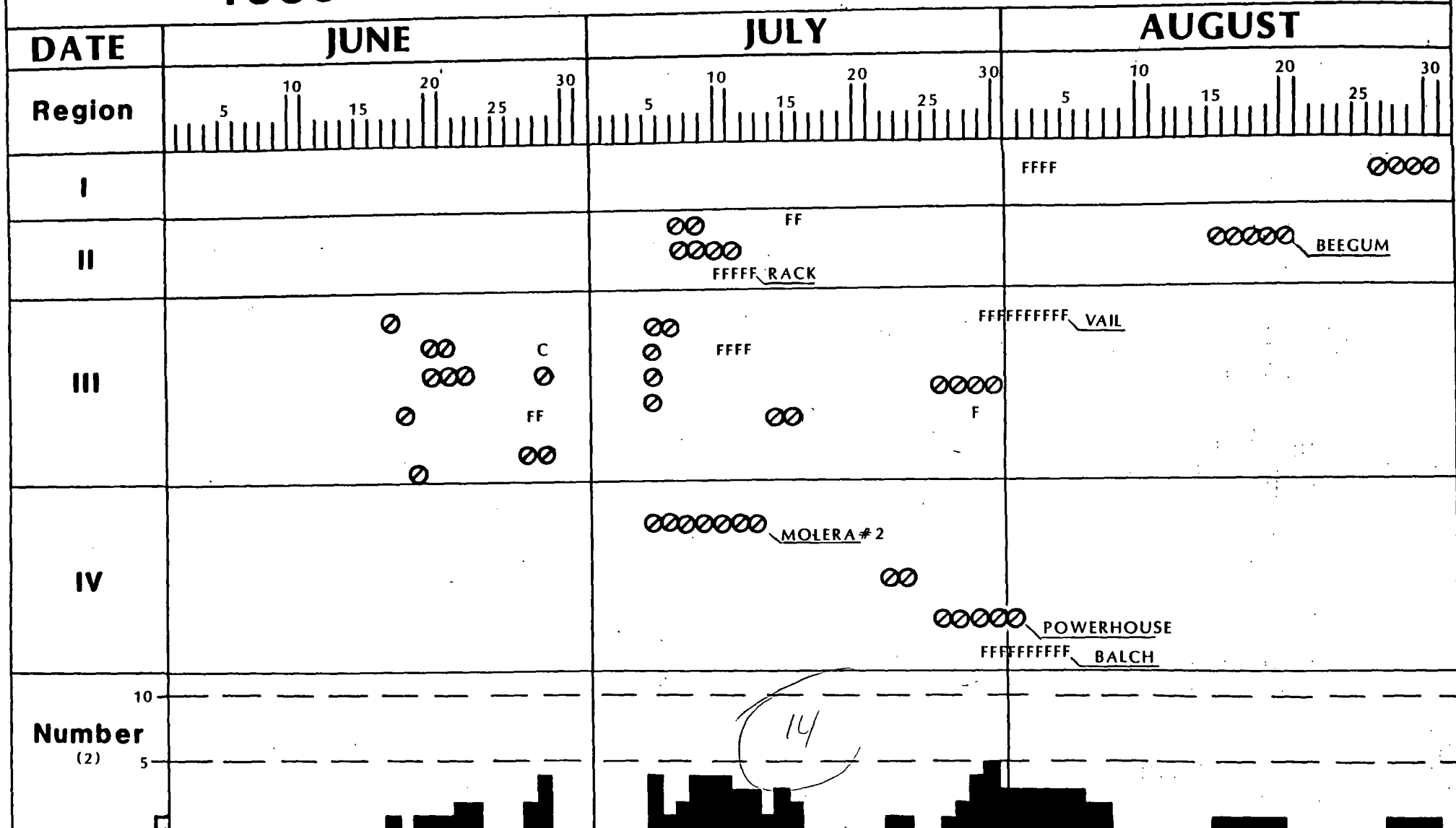
<u>RANGER UNIT</u>	<u>FIRE NAME</u>	<u>DATE</u> <u>START</u> <u>CONT</u>	<u>ORIGIN</u> <u>DPA</u>	<u>ACRES BURNED</u> <u>CDF</u> <u>OTHER</u> <u>TOTAL</u>	<u>VEG.</u> <u>TYPE</u>	<u>CAUSE</u> <u>(GEN)</u>	<u>AND</u> <u>STRUCTURES</u>
<u>REGION III (Cont)</u>							
San Diego	Proctor #7	06/28-06/28	CDF	340 - 340	BG	Misc.	-
San Diego	Dogpatch	07/05-07/05	CDF	1153 - 1153	B	Misc.	-
San Diego	Black Mountain	11/28-11/29	City	- 3000 3000	G	N/A	-
San Diego	Oriflame	06/19-06/19	CDF	340 - 340	B	Debris	-
San Luis Obispo	SLU 1531	06/18-06/18	CDF	610 - 610	WBG	Equip Use-	-
San Luis Obispo	Chispa	07/27-07/30	CDF	10500 - 10500	B	Equip Use	-
Cleveland N.F.	Ortega	06/27-06/28	USFS	- 4000 4000	B	N/A	-
Cleveland N.F.	Thing	07/09-07/12	USFS	4692 - 4692	B	Smkg.	-
Cleveland N.F.	Vail	07/29-08/07	USFS	- 15100 15100	B	Misc(target shoot	-
Angeles N.F.	Pacy	07/30-07/30	USFS	- 1000 1000	B	N/A	-

REGION IV

Fresno-Kings	Burroughs	07/23-07/24	CDF	1542 - 1542	B	Arson	-
Fresno-Kings	Power House	07/28-08/01	CDF	11600 - 11600	TB	Arson	-
Tuolumne-Calaveras	Tuttle Town	09/06-09/07	CDF	740 - 740	B	N/A	-
San Benito-Mont.	Molera #2	07/08-07/14	CDF	3087 - 3087	B	Arson	-
Sierra N.F.	Balch	07/29-08/07	USFS	- 7550 7550	B	N/A	-

STATE TOTAL	33 FIRES	CDF ACRES BURNED	50,626	HOMES	17
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# 1989 LARGE DAMAGING FIRE <sup>(1)</sup> CALENDAR



## LEGEND

## ORIGIN

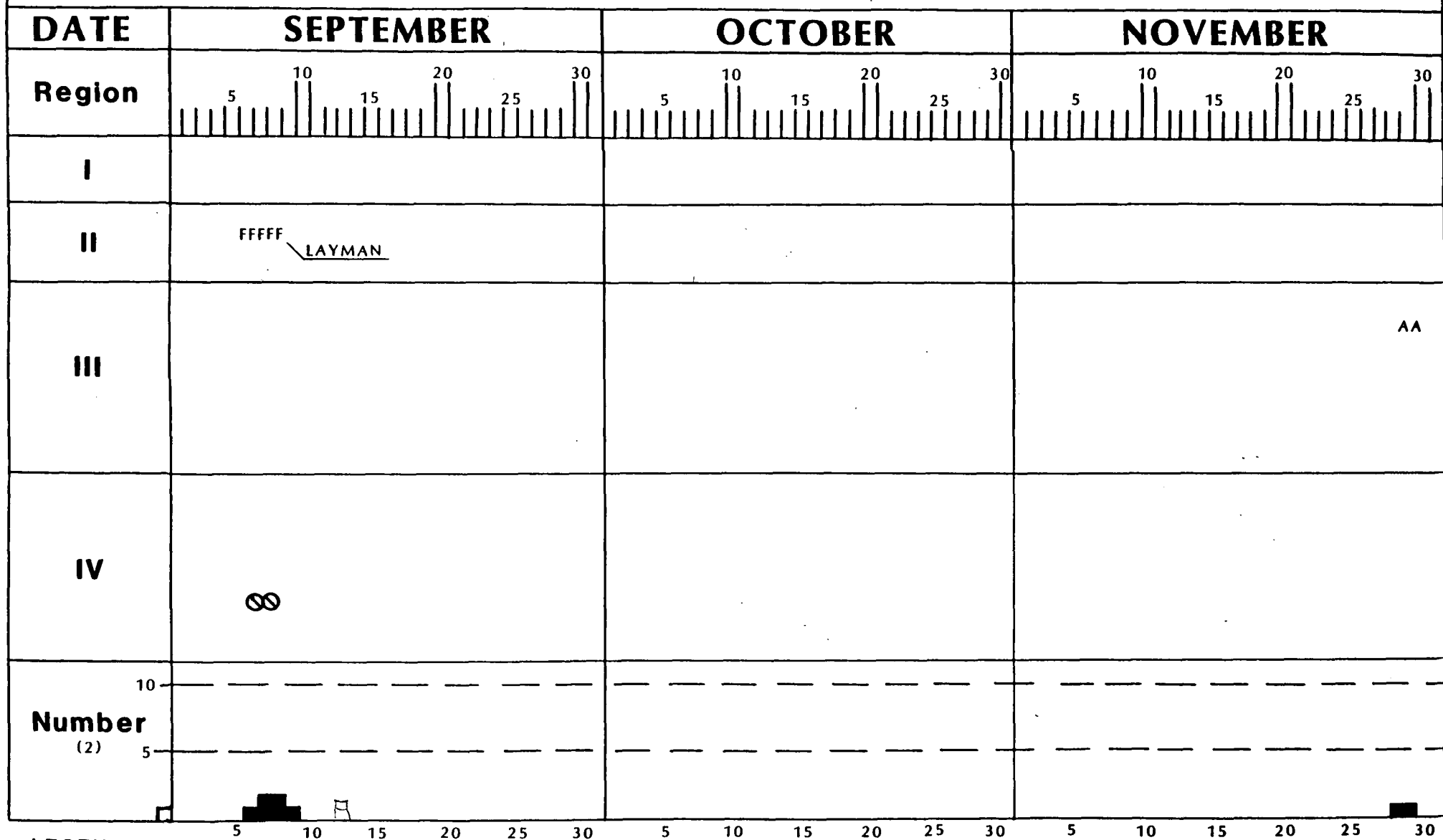
- CDF
- F US Forest Service
- C Contract County
- A Other Agency: City, BLM, NPS, Military Base, etc.

(1) The fires on this calendar are those listed in the 'Large Damaging Fire Summary'.

(2) The number of large damaging fires uncontained on the date shown.

The maximum number of fires uncontained at the same time was 5.

# 1989 LARGE DAMAGING FIRE <sup>(1)</sup> CALENDAR



## LEGEND

## ORIGIN

- ⊙ CDF
- F US Forest Service
- C Contract County
- A Other Agency: City, BLM, NPS, Military Base, etc.

(1) The fires on this calendar are those listed in the 'Large Damaging Fire Summary'.

(2) The number of large damaging fires uncontained on the date shown.  
The maximum number of fires uncontained at the same time was 5.

**WILDFIRE STATISTICS**

**STATE RESPONSIBILITY**

**ALL AGENCIES**

STATE RESPONSIBILITY  
NUMBER OF WILDFIRES  
BY PROTECTION AGENCY

	<u>WILDFIRES</u>	<u>ACRES BURNED</u>
LANDS DIRECTLY PROTECTED BY THE DEPARTMENT OF FORESTRY & FIRE PROTECTION		
STATE RESPONSIBILITY AREA	6440	61597
BUREAU OF LAND MANAGEMENT	21	4975
UNITED STATES FOREST SERVICE	60	6321
BUREAU OF INDIAN AFFAIRS	97	554
OTHER FEDERAL/OTHER	17	154
TOTAL	----- 6635	----- 73601
S.R.A. PROTECTED BY OTHER AGENCIES		
CONTRACT COUNTIES	842	11803
UNITED STATES FOREST SERVICE, STATE AND PRIVATE	505	1654
BUREAU OF LAND MANAGEMENT	15	6
TOTAL	----- 1362	----- 13463
STATE TOTAL	7997	87064

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY AGENCY

LANDS DIRECTLY PROTECTED BY THE DEPT. OF FORESTRY & FIRE PROTECTION	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
STATE	205	799	732	375	1364	223	2481	6179	261	6440
U.S.F.S	5	6	2	2	12	0	30	57	3	60
B.L.M	2	4	1	2	2	0	8	19	2	21
B.I.A	1	20	21	8	2	3	42	97	0	97
OTHER FEDERAL	0	0	1	1	1	0	2	5	0	5
OTHER	1	0	2	1	2	0	6	12	0	12
TOTAL	214	829	759	389	1383	226	2569	6369	266	6635

B.I.A - BUREAU OF INDIAN AFFAIRS  
B.L.M - BUREAU OF LAND MANAGEMENT  
U.S.F.S - UNITED STATES FOREST SERVICE

STATE RESPONSIBILITY - ALL AGENCIES  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY AGENCY

LANDS DIRECTLY  
PROTECTED BY THE  
DEPT. OF FORESTRY &  
FIRE PROTECTION

	A	B	C	D	E	F	G	TOTAL
STATE	4613	1479	261	43	33	9	2	6440
U.S.F.S	51	6	1	0	1	1	0	60
B.L.M	14	0	5	2	0	0	0	21
B.I.A	72	19	<u>3</u>	1	1	1	0	97
OTHER FEDERAL	4	1	0	0	0	0	0	5
OTHER	7	4	1	0	0	0	0	12
TOTAL	4761	1509	271	46	35	11	2	6635

A - .25 acre or less  
 B - .26 acre through 9 acres  
 C - 10 acres through 99 acres  
 D - 100 acres through 299 acres  
 E - 300 acres through 999 acres  
 F - 1000 acres through 4999 acres  
 G - 5000 acres and over



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY AGENCY

LANDS DIRECTLY PROTECTED BY THE DEPT. OF FORESTRY & FIRE PROTECTION	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
STATE	395	3014	1597	11382	12261	521	30622	59792	1805	61597
U.S.F.S	4692	41	0	0	4	0	1584	6321	0	6321
B.L.M	0	148	125	20	689	0	3934	4916	59	4975
B.I.A	1	135	12	16	0	0	390	554	0	554
OTHER	0	55	0	5	2	0	92	154	0	154
TOTAL	5088	3393	1734	11423	12956	521	36622	71737	1864	73601

B.I.A - BUREAU OF INDIAN AFFAIRS  
B.L.M - BUREAU OF LAND MANAGEMENT  
U.S.F.S - UNITED STATES FOREST SERVICE

STATE RESPONSIBILITY -- ALL AGENCIES  
NUMBER OF WILDFIRES  
BY CAUSE BY AGENCY

<u>SRA PROTECTED BY OTHER AGENCIES</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>Ltnq.</u>	<u>TOTAL PERSON CAUSED</u>	<u>TOTAL</u>
CONTRACT COUNTIES	21	52	23	110	230	29	43	22	308	4	838	842
U.S. FOREST SERVICE	26	28	58	48	55	-	52	-	118	120	385	505
BUREAU OF LAND MGMT.	1	-	2	1	2	-	1	-	-	8	7	15
TOTAL	48	80	83	159	287	29	96	22	426	132	1230	1362

ACRES BURNED  
BY CAUSE BY AGENCY

CONTRACT COUNTIES	14	117	61	4477	1482	74	243	55	5280	-	11803	11803
U.S. FOREST SERVICE	165	10	83	295	473	-	243	-	352	33	1621	1654
BUREAU OF LAND MGMT.	2	-	-	-	-	-	-	-	-	4	2	6
TOTAL	181	127	144	4772	1955	74	486	55	5632	37	13426	13463

NUMBER OF WILDFIRES  
BY SIZE CLASS BY AGENCY

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
CONTRACT COUNTIES	662	119	42	11	3	5	-	842
U.S. FOREST SERVICE	400	78	17	4	5	1	-	505
BUREAU OF LAND MGMT.	12	3	-	-	-	-	-	15
TOTAL	1074	200	59	15	8	6	-	1362

# STATE RESPONSIBILITY WILDFIRES

## KERN COUNTY

### NUMBER BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
1	11	22	17	41	145	20	13	-	111	381

### ACRES BURNED BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	1	109	61	71	283	63	14	-	1609	2211

### NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
308	51	17	4	-	1	-	381

### ACRES BURNED BY VEGETATION TYPE

<u>Commercial Forest</u>	<u>Noncommercial Forest</u>	<u>Nonforested Watershed</u>	<u>TOTAL</u>
1	102	2108	2211

### DAMAGE IN DOLLARS BY TYPE\*

<u>Non-forest Improvements</u>	<u>Forest Improvements</u>	<u>Forest Products</u>	<u>Forest &amp; Other Vegetation</u>	<u>TOTAL</u>
-	1,561,310	-	101,265	1,662,575

## STATE RESPONSIBILITY WILDFIRES

## LOS ANGELES COUNTY

NUMBER BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	4	27	3	36	5	-	7	2	99	183

ACRES BURNED BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	4	5	-	3817	282	-	202	15	133	4458

NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
170	*	5	4	1	3	-	183

ACRES BURNED BY VEGETATION TYPE

<u>Timber</u>	<u>Woodland</u>	<u>Brush</u>	<u>Grass</u>	<u>Other</u>	<u>TOTAL</u>
-	-	2090	2361	7	4458

DAMAGE IN DOLLARS BY TYPE\*\*

<u>Non-forest Improvements</u>	<u>Forest Improvements</u>	<u>Forest Products</u>	<u>Forest &amp; Other Vegetation</u>	<u>TOTAL</u>
N/A	N/A	N/A	N/A	N/A

\*Size Class B fires are included in Size Class A figures.

\*\*Damage in dollars by type information is not available.

## STATE RESPONSIBILITY WILDFIRES

## MARIN COUNTY

NUMBER BY CAUSE

<u>Ltng.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
1	1	-	1	12	13	-	2	1	11	42

ACRES BURNED BY CAUSE

<u>Ltng.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	-	-	-	46	51	-	-	-	27	124

NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
29	9	4	-	-	-	-	42

ACRES BURNED BY VEGETATION TYPE

<u>Timber</u>	<u>Woodland</u>	<u>Grass</u>	<u>Brush</u>	<u>TOTAL</u>
1	20	60	43	124

DAMAGE IN DOLLARS BY TYPE

<u>Non-forest Improvements</u>	<u>Forest Improvements</u>	<u>Forest Products</u>	<u>Forest &amp; Other Vegetation</u>	<u>TOTAL</u>
0	0	0	0	0

## STATE RESPONSIBILITY WILDFIRES

## ORANGE COUNTY

NUMBER BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip.</u> <u>Use</u>	<u>Rail-</u> <u>road</u>	<u>Play.</u> <u>With</u> <u>Fire</u>	<u>Elec.</u> <u>Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	1	-	-	4	1	-	2	3	2	13

ACRES BURNED BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip.</u> <u>Use</u>	<u>Rail-</u> <u>road</u>	<u>Play.</u> <u>With</u> <u>Fire</u>	<u>Elec.</u> <u>Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	-	-	-	416	1	-	9	18	18	462

NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
4	7	1	1	-	-	-	13

ACRES BURNED BY VEGETATION TYPE\*

<u>Commercial Forest</u>	<u>Noncommercial Forest</u>	<u>Nonforested Watershed</u>	<u>TOTAL</u>
N/A	N/A	N/A	N/A

DAMAGE IN DOLLARS BY TYPE

<u>Non-forest</u> <u>Improvements</u>	<u>Forest</u> <u>Improvements</u>	<u>Forest</u> <u>Products</u>	<u>Forest &amp; Other</u> <u>Vegetation</u>	<u>TOTAL</u>
\$27,100	-	-	\$5,000	\$32,100

# STATE RESPONSIBILITY WILDFIRES

## SANTA BARBARA COUNTY

### NUMBER BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
2	4	3	*	8	23	6	19	16	51	132

### ACRES BURNED BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Rail- road</u>	<u>Play. With Fire</u>	<u>Elec. Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	9	3	*	8	92	1	18	22	119	272

### NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
83	43	6	-	-	-	-	132

### ACRES BURNED BY VEGETATION TYPE\*\*

<u>Timber</u>	<u>Woodland</u>	<u>Grass</u>	<u>Brush</u>	<u>TOTAL</u>
-	-	-	-	-

### DAMAGE IN DOLLARS BY TYPE

<u>Non-forest Improvements</u>	<u>Forest Improvements</u>	<u>Forest Products</u>	<u>Forest &amp; Other Vegetation</u>	<u>TOTAL</u>
-	-	-	\$33,199	\$33,199

\*Debris fires included in campfire figure.

# STATE RESPONSIBILITY WILDFIRES

## VENTURA COUNTY

### NUMBER BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip.</u> <u>Use</u>	<u>Rail-</u> <u>road</u>	<u>Play.</u> <u>With</u> <u>Fire</u>	<u>Elec.</u> <u>Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	-	-	2	9	43	3	-	-	34	91

### ACRES BURNED BY CAUSE

<u>Ltnq.</u>	<u>Cmpr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip.</u> <u>Use</u>	<u>Rail-</u> <u>road</u>	<u>Play.</u> <u>With</u> <u>Fire</u>	<u>Elec.</u> <u>Power</u>	<u>Misc.</u>	<u>TOTAL</u>
-	-	-	-	119	773	10	-	-	3374	4276

### NUMBER BY SIZE CLASS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>TOTAL</u>
68	9	9	2	2	1	-	91

### ACRES BURNED BY VEGETATION TYPE

<u>Commercial Forest</u>	<u>Noncommercial Forest</u>	<u>Nonforested Watershed</u>	<u>TOTAL</u>
-	-	4276	4276

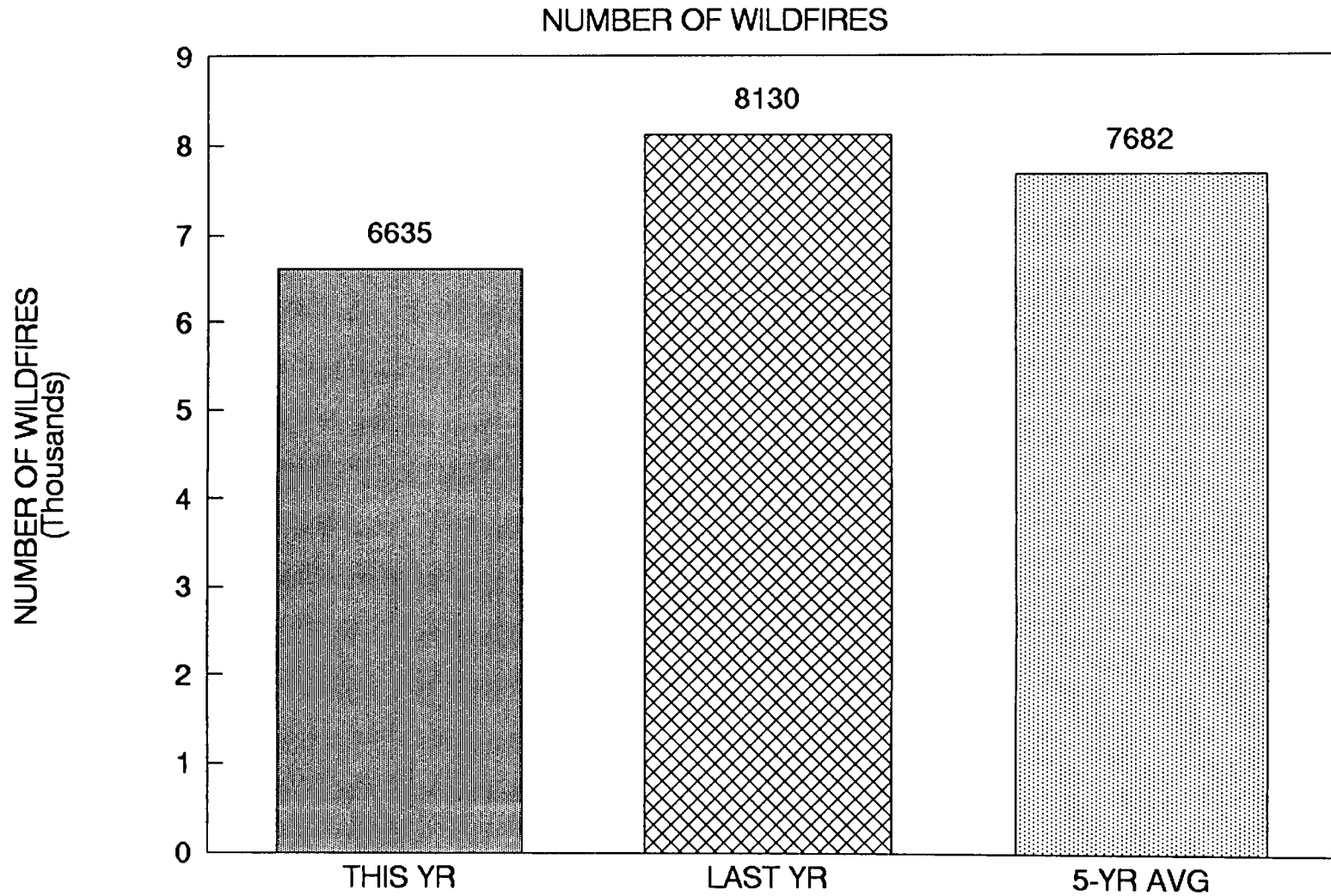
### DAMAGE IN DOLLARS BY TYPE\*

<u>Non-forest</u> <u>Improvements</u>	<u>Forest</u> <u>Improvements</u>	<u>Forest</u> <u>Products</u>	<u>Forest &amp; Other</u> <u>Vegetation</u>	<u>TOTAL</u>
N/A	N/A	N/A	N/A	N/A

\*Damage in dollars by type information is not available.

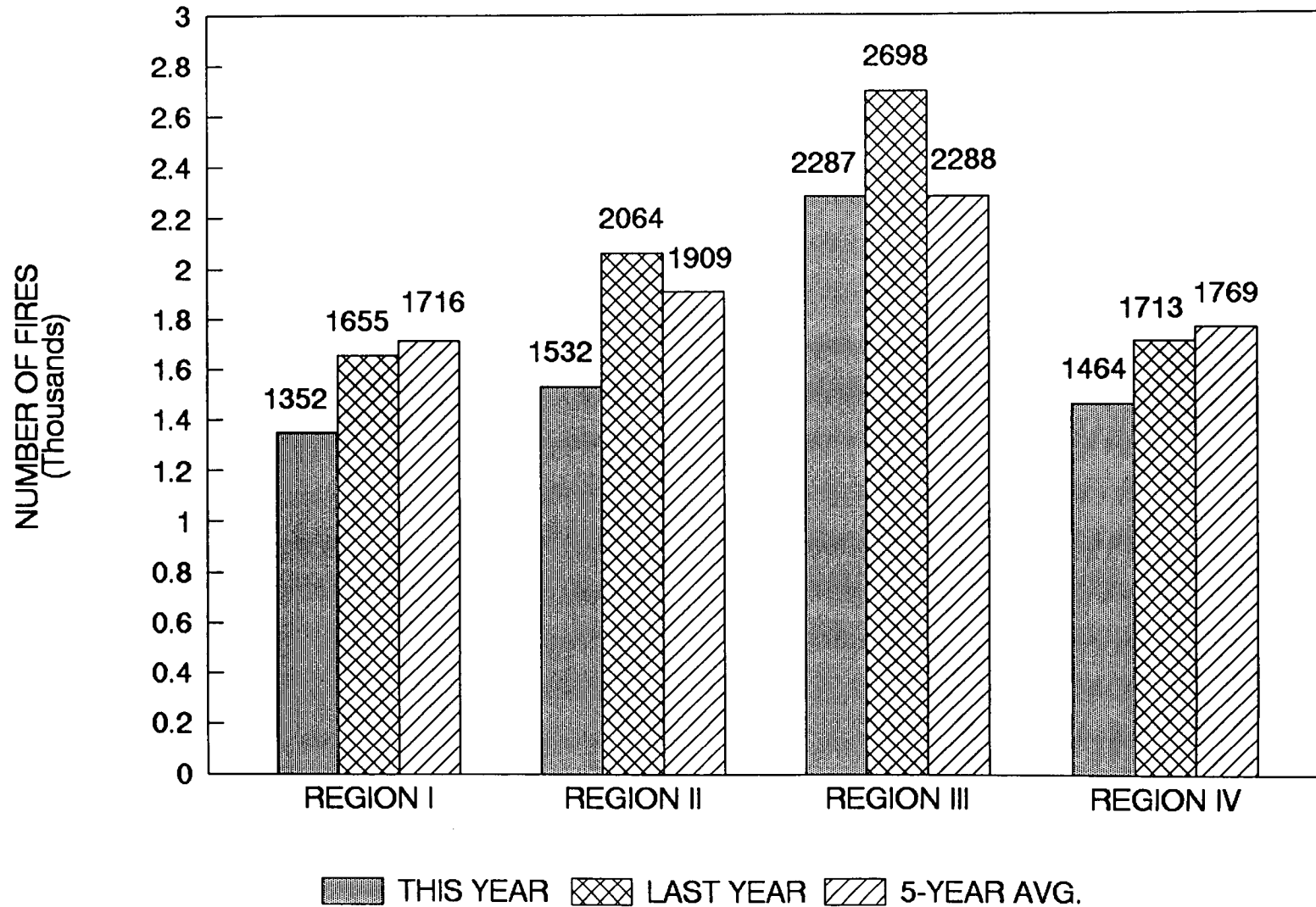


# STATE RESPONSIBILITY



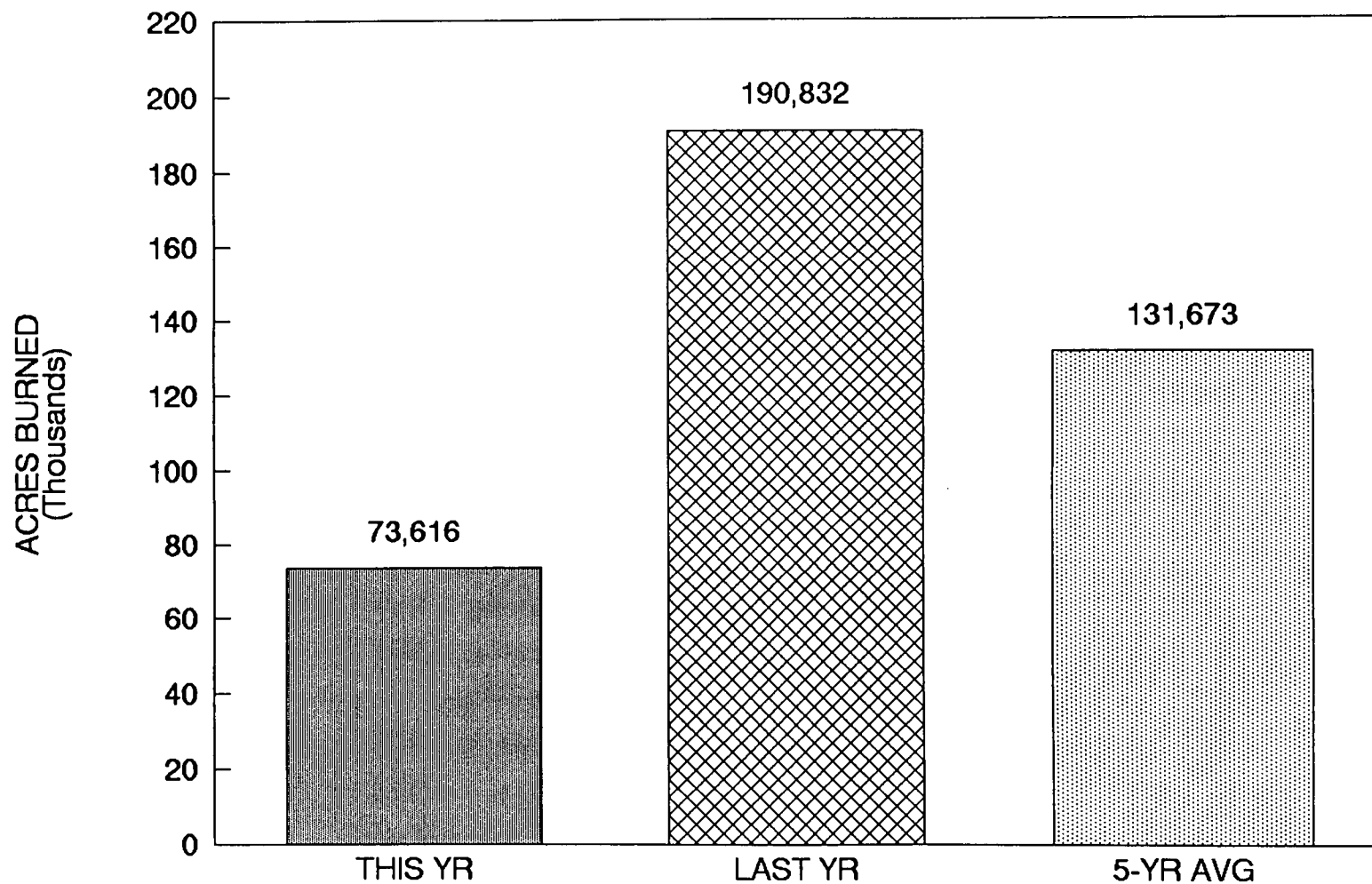
# STATE RESPONSIBILITY

NUMBER OF WILDFIRES



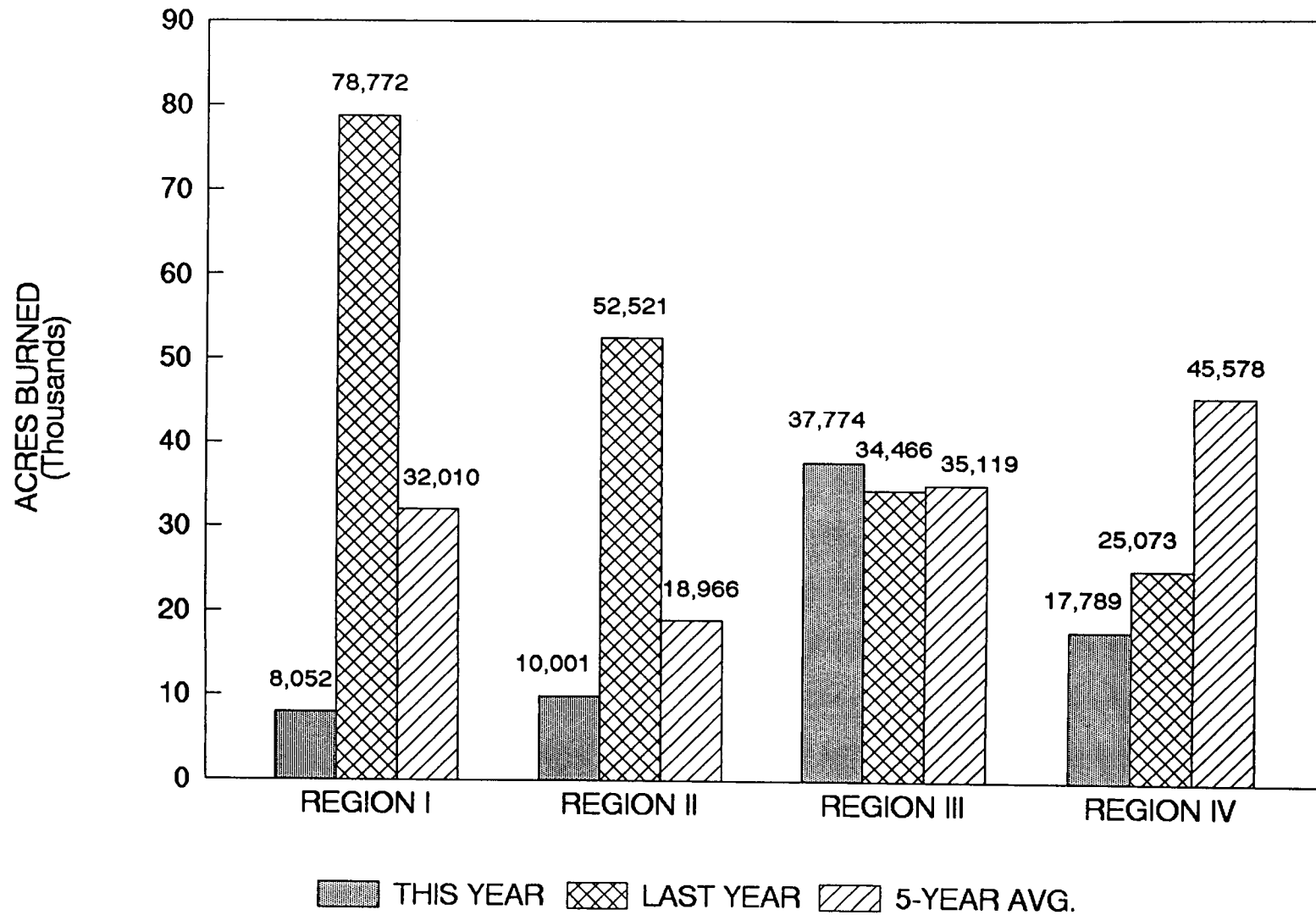
# STATE RESPONSIBILITY

NUMBER OF ACRES BURNED



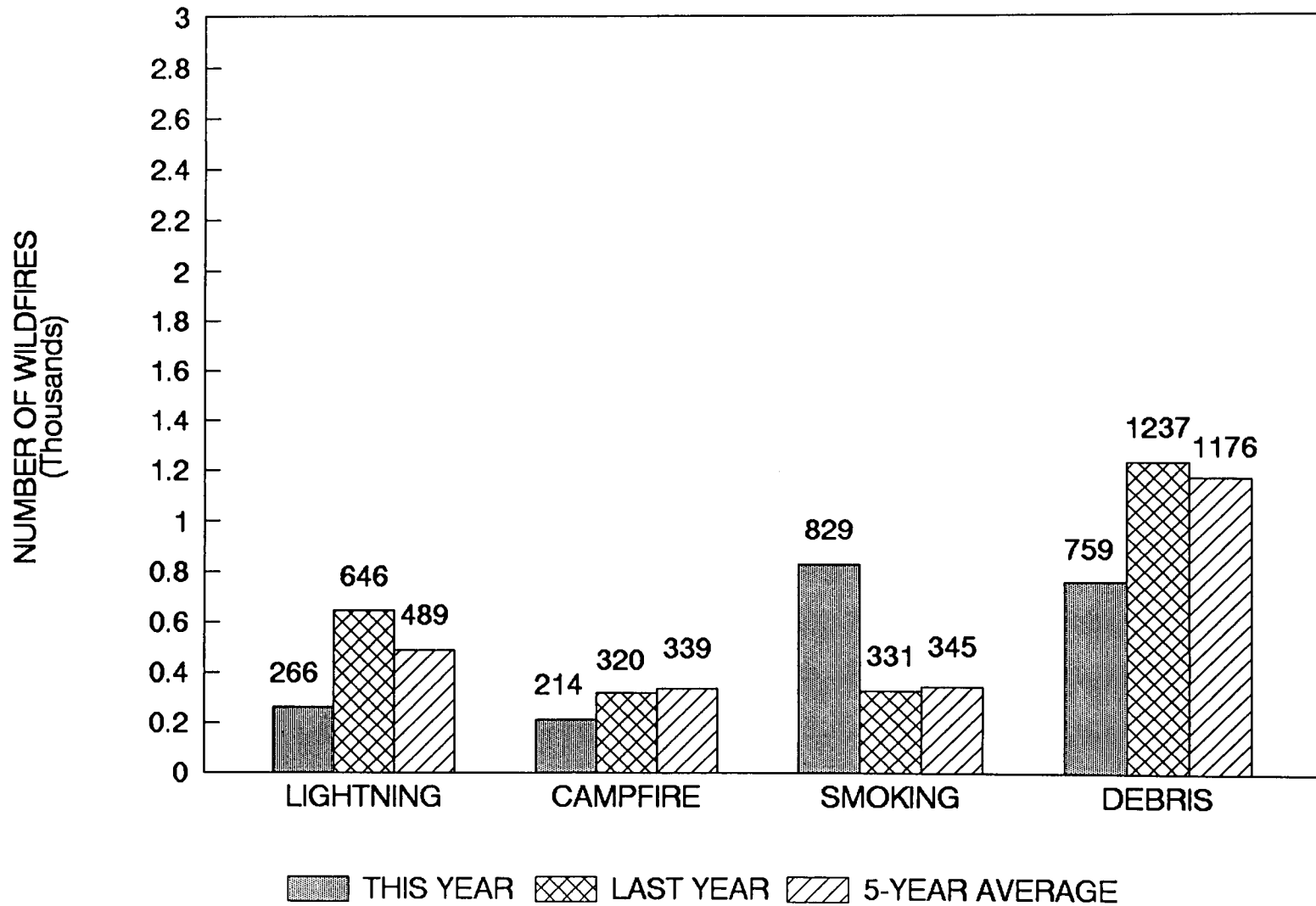
# STATE RESPONSIBILITY

NUMBER OF ACRES BURNED



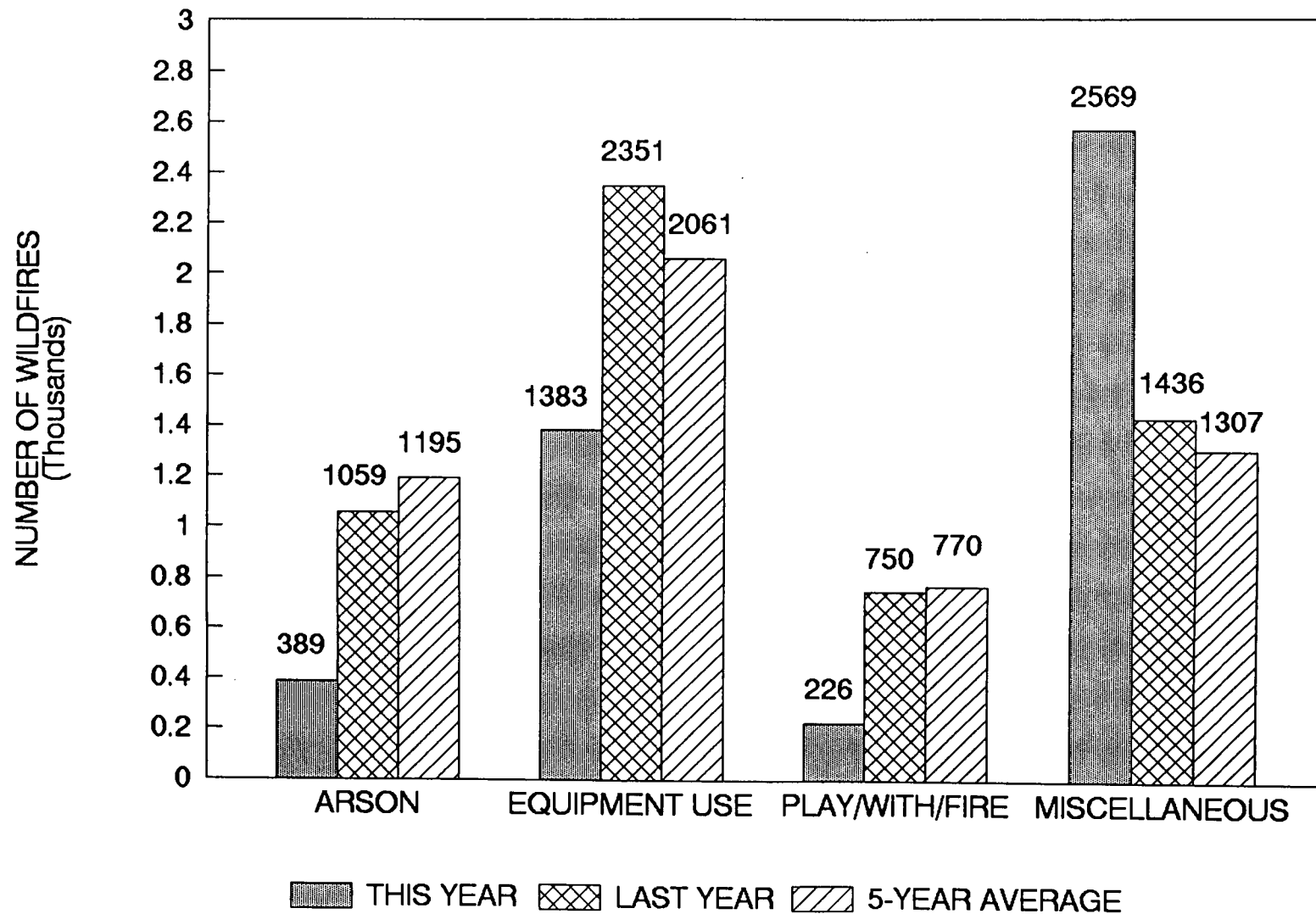
# STATE RESPONSIBILITY

WILDFIRES BY CAUSE



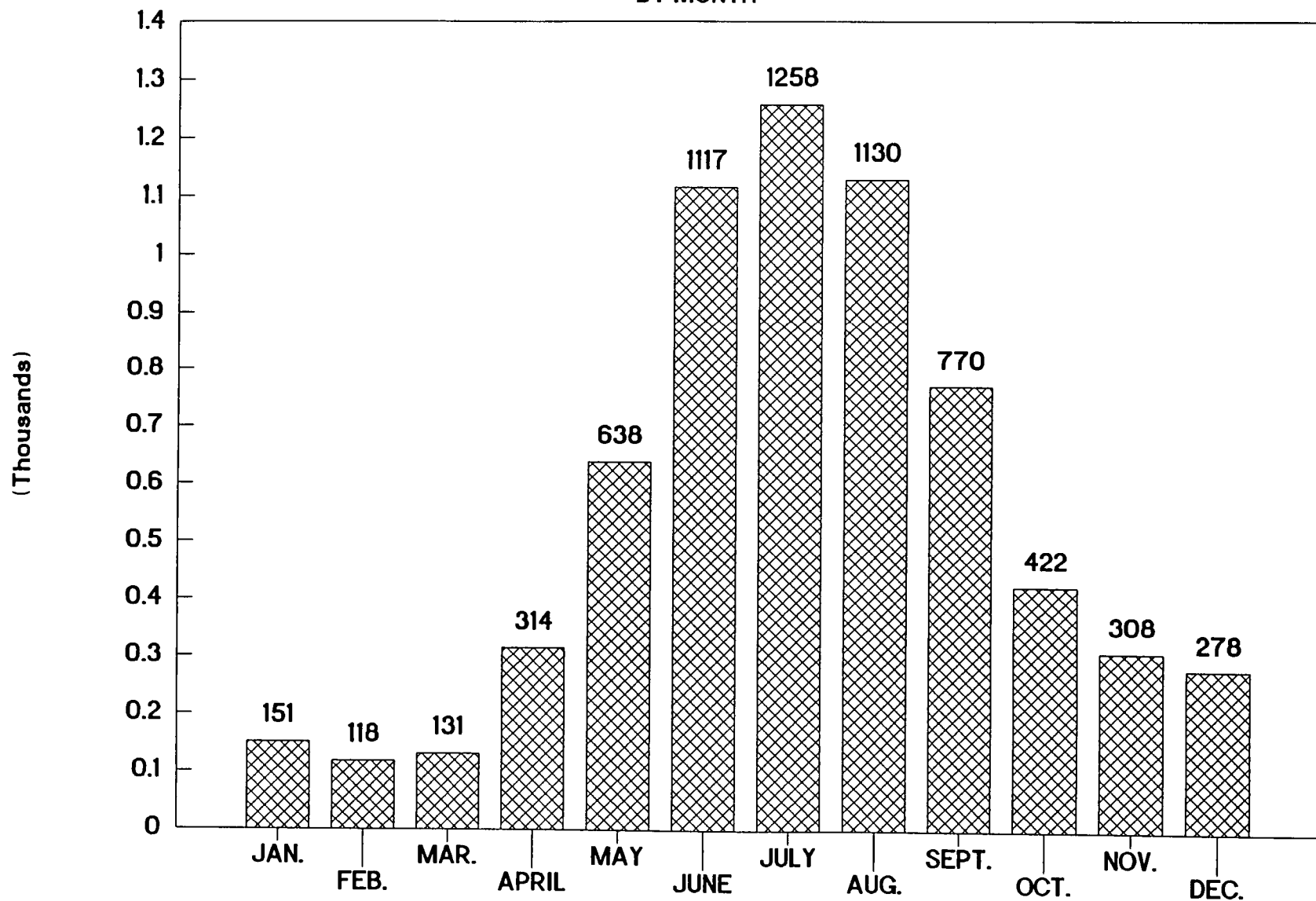
# STATE RESPONSIBILITY

## WILDFIRES BY CAUSE



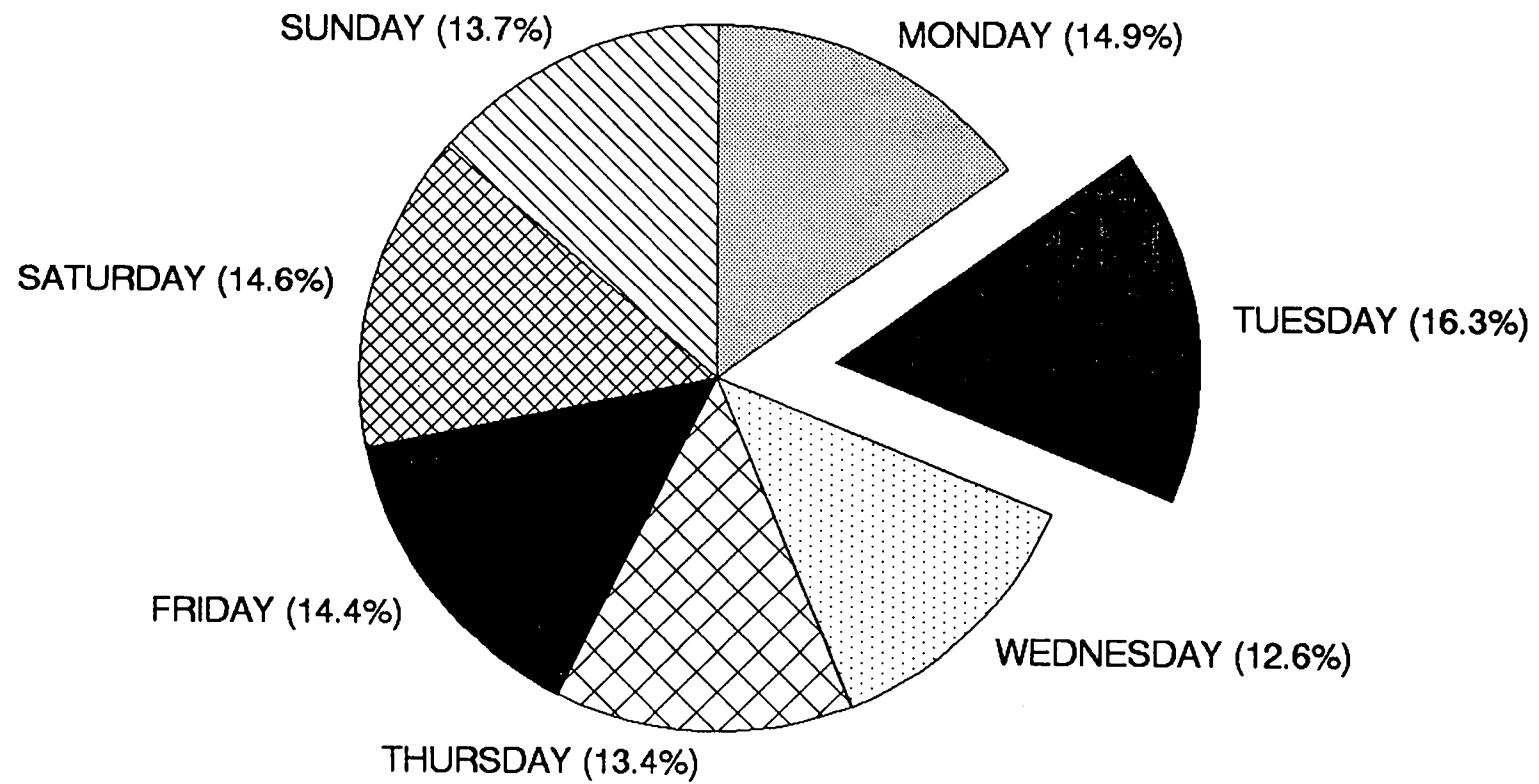
# NUMBER OF WILDFIRES

BY MONTH



# NUMBER OF WILDFIRES

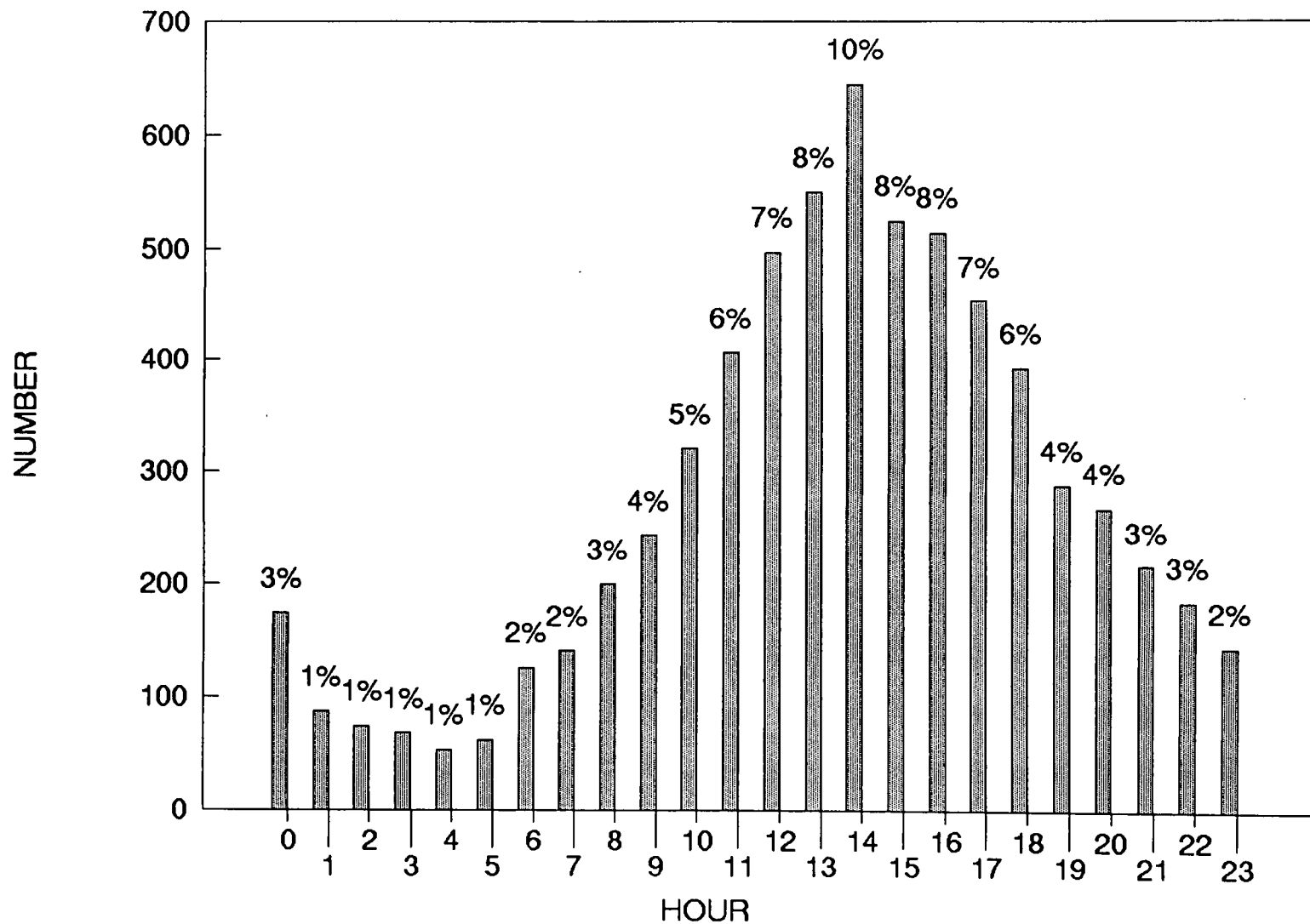
## BY DAY





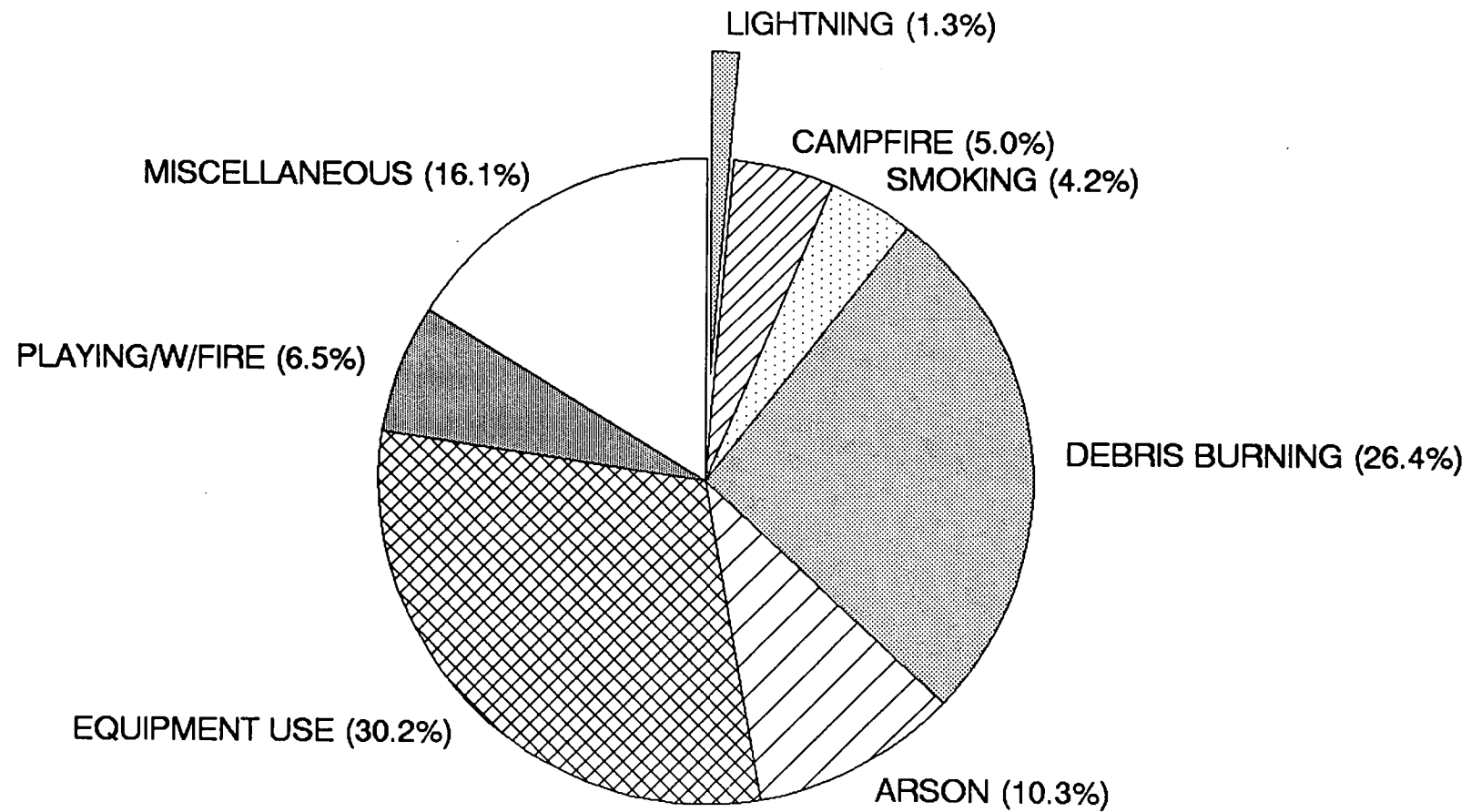
# NUMBER OF WILDFIRES

BY TIME



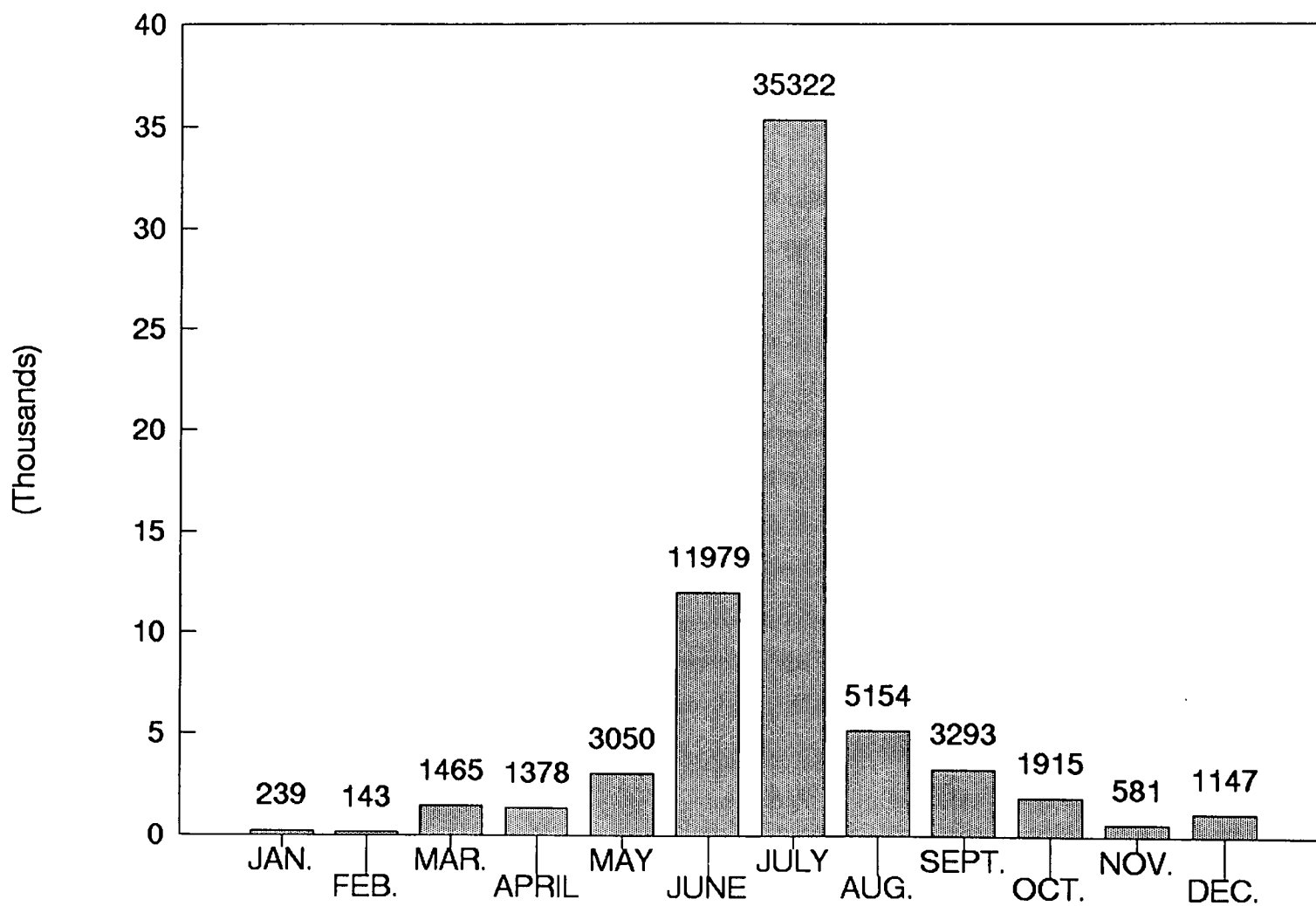
# STATE RESPONSIBILITY

## WILDFIRES BY CAUSE



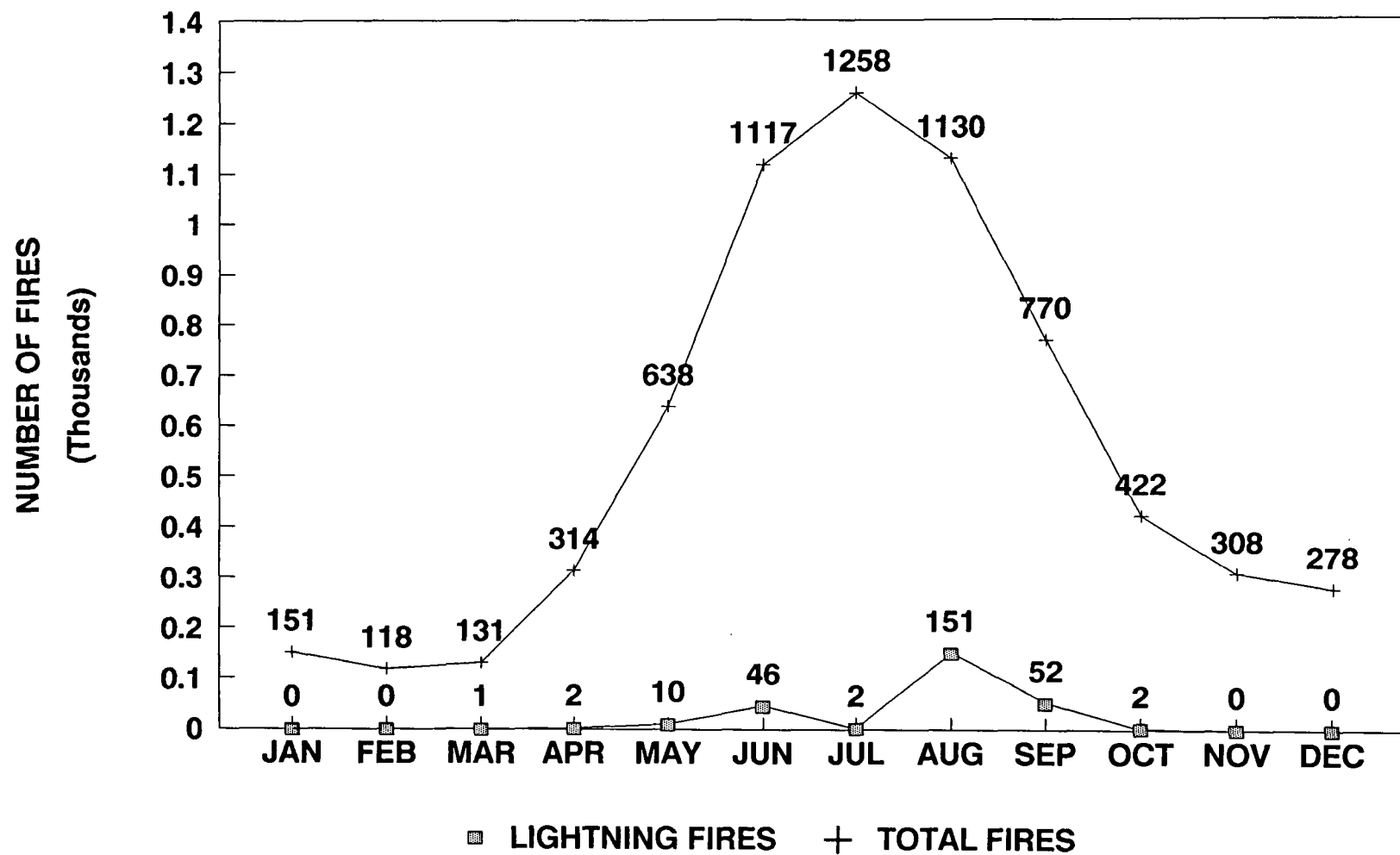
# ACRES BURNED

## BY MONTH



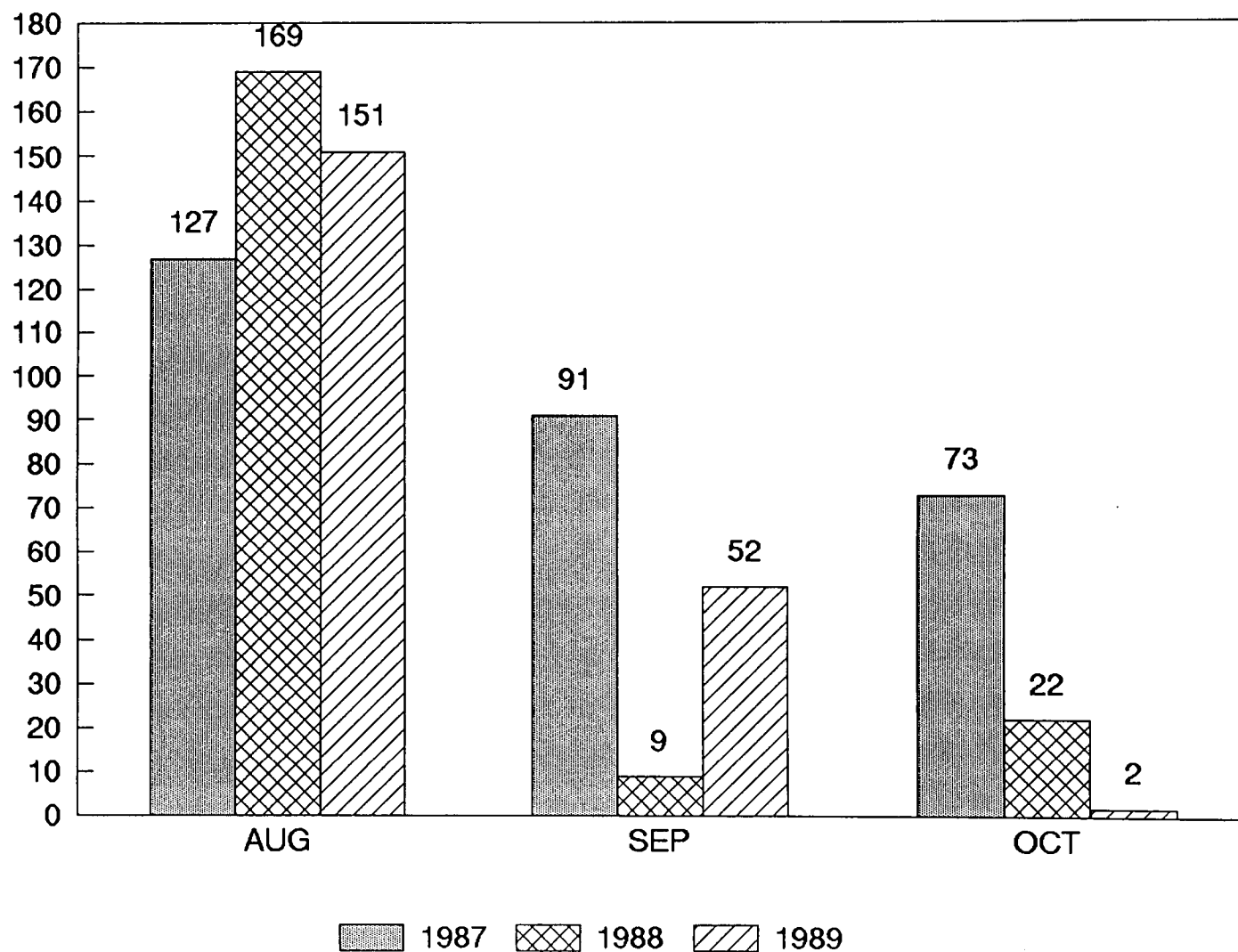
# TOTAL FIRES 1989

VERSUS LIGHTNING FIRES



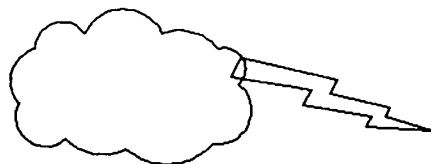
# TOTAL LIGHTNING FIRES

1987-1989

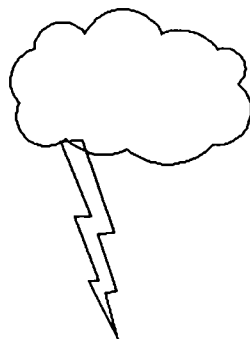


# CALIFORNIA LIGHTNING STRIKES 1989

MAY - SEPTEMBER



POSITIVE STRIKE \*



NEGATIVE STRIKE \*\*



\* Positive Lightning Strike - travels from ground to cloud. A Positive strike is stronger and hits outside the rainfall area which is the reason it causes more lightning fires.

\*\* Negative Lightning Strike - travels from cloud to ground.

**WILDFIRE STATISTICS  
STATE RESPONSIBILITY  
CDF DIRECT PROTECTION**

STATE RESPONSIBILITY -- CDF DIRECT PROTECTION  
WILDFIRE CAUSE ANALYSIS

PERCENT BY GENERAL CAUSE

	<u>Campr.</u>	<u>Smkr.</u>	<u>Debris</u>	<u>Arson</u>	<u>Equip. Use</u>	<u>Play With Fire</u>	<u>Misc.</u>	<u>Ltnq.</u>	<u>TOTAL PERSON CAUSED</u>	<u>TOTAL</u>
REGION I	3.2	13.5	9.5	7.7	22.5	2.0	38.8	2.8	97.2	100.0
REGION II	1.2	12.7	15.7	3.3	20.8	2.1	35.8	8.4	91.6	100.0
REGION III	5.3	13.2	8.9	6.2	19.3	5.6	40.9	.7	99.3	100.0
REGION IV	2.1	10.3	12.7	6.2	21.9	2.7	38.4	5.7	94.3	100.0
TOTAL	3.2	12.5	11.4	5.9	20.8	3.4	38.8	4.0	96.0	100.0

PERCENT BY PROPERTY (LAND USE)

	<u>Domes- tic</u>	<u>Ranch- Farm</u>	<u>Dump</u>	<u>Road</u>	<u>Util- ity Railrd.</u>	<u>Util- ity Elec.</u>	<sup>1</sup> <u>For. Ind.</u>	<sup>2</sup> <u>Rec.</u>	<sup>3</sup> <u>Other Ind. Com.</u>	<u>Wild- land</u>	<u>Non Wild- land</u>	<u>Other</u>	<u>TOTAL</u>
REGION I	15.8	15.2	1.8	15.2	2.4	2.4	1.2	7.0	.8	6.1	17.9	14.2	100.0
REGION II	24.9	9.4	.5	13.1	.9	1.2	1.8	.5	1.0	7.3	19.0	20.4	100.0
REGION III	20.1	10.5	1.5	15.4	1.0	.7	.0	.7	.9	15.2	18.3	15.7	100.0
REGION IV	21.1	13.7	1.0	14.6	.3	1.5	.5	2.1	2.3	7.2	21.5	14.2	100.0
TOTAL	20.6	11.9	1.2	14.7	1.1	1.3	.8	2.2	1.2	9.8	19.1	16.1	100.0

<sup>1</sup>  
Forest Industry

<sup>2</sup>  
Recreation Area

<sup>3</sup>  
Other Industrial or Commerical



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES AND ACRES BURNED  
BY REGION AND RANGER UNIT

REGION I -----	NUMBER TOTAL	Person Caused
Humboldt-Del Norte	230	221
Lake-Napa	257	246
Mendocino	238	231
San Mateo - Santa Cruz	144	143
Santa Clara	317	313
Sonoma	166	160
 TOTAL	 1352	 1314

	ACRES BURNED TOTAL	Person Caused
Humboldt-Del Norte	496	493
Lake-Napa	3532	3445
Mendocino	301	299
San Mateo - Santa Cruz	104	104
Santa Clara	2756	2750
Sonoma	863	863
 TOTAL	 8052	 7954

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES AND ACRES BURNED  
BY REGION AND RANGER UNIT

REGION II -----	NUMBER TOTAL	Person Caused
Butte	341	325
Lassen-Modoc	91	67
Nevada-Yuba-Placer	494	460
Shasta-Trinity	358	355
Siskiyou	117	70
Tehama-Glenn	131	126
 TOTAL	 1532	 1403

	ACRES BURNED TOTAL	Person Caused
Butte	2266	1992
Lassen-Modoc	3884	3883
Nevada-Yuba-Placer	699	667
Shasta-Trinity	865	864
Siskiyou	63	56
Tehama-Glenn	2224	2223
 TOTAL	 10001	 9685

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES AND ACRES BURNED  
BY REGION AND RANGER UNIT

	NUMBER	
	TOTAL	Person Caused
REGION III		
-----		
Owens Valley	87	81
Riverside	1035	1034
San Bernardino	295	291
San Diego	611	608
San Luis Obispo	259	258
TOTAL	2287	2272

	ACRES BURNED	
	TOTAL	Person Caused
Owens Valley	1539	1537
Riverside	12615	12615
San Bernardino	2178	2178
San Diego	9345	9345
San Luis Obispo	12082	12078
TOTAL	37760	37754

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES AND ACRES BURNED  
BY REGION AND RANGER UNIT

REGION IV -----	NUMBER	
	TOTAL	Person Caused
Amador-El Dorado	387	358
Fresno-Kings	134	123
Madera-Mariposa	208	195
San Benito-Monterey	190	189
Tulare	99	96
Tuolumne-Calaveras	446	419
TOTAL	1464	1380

	ACRES BURNED	
	TOTAL	Person Caused
Amador-El Dorado	868	865
Fresno-Kings	6874	6665
Madera-Mariposa	2426	1216
San Benito-Monterey	3120	3120
Tulare	1718	1718
Tuolumne-Calaveras	2783	2765
TOTAL	17789	16349

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY REGION

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I	43	183	129	104	304	27	524	1314	38	1352
REGION II	19	194	241	51	318	32	548	1403	129	1532
REGION III	121	301	203	143	441	128	935	2272	15	2287
REGION IV	31	151	186	91	320	39	562	1380	84	1464
TOTAL	214	829	759	389	1383	226	2569	6369	266	6635

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I										
-----										
Alameda	1	10	2	3	48	1	42	107	0	107
Colusa	0	0	0	1	4	0	3	8	2	10
Contra Costa	0	16	2	16	13	1	30	78	0	78
Del Norte	4	4	7	2	2	0	14	33	0	33
Humboldt	9	31	30	13	23	6	76	188	9	197
Lake	1	21	9	3	12	2	37	85	5	90
Mendocino	3	39	32	12	57	5	83	231	7	238
Napa	1	7	7	7	34	1	33	90	1	91
San Joaquin	0	3	0	0	2	0	2	7	0	7
San Mateo	3	3	1	7	4	0	24	42	0	42
Santa Clara	3	6	7	16	32	3	35	102	4	106
Santa Cruz	3	13	14	5	13	2	51	101	1	102
Solano	0	0	4	3	8	0	13	28	1	29
Sonoma	13	24	12	12	34	5	60	160	6	166
Stanislaus	0	4	0	0	12	0	3	19	0	19
Yolo	2	2	2	4	6	1	18	35	2	37
TOTAL	43	183	129	104	304	27	524	1314	38	1352

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION II										
-----										
Butte	3	39	66	17	57	7	136	325	16	341
Glenn	0	0	2	0	4	0	2	8	1	9
Lassen	4	7	12	0	4	1	24	52	21	73
Modoc	1	2	3	0	3	0	3	12	1	13
Nevada	1	16	29	4	12	6	69	137	9	146
Placer	2	23	52	6	65	7	101	256	20	276
Plumas	0	1	1	0	0	0	2	4	2	6
Shasta	4	79	36	13	86	6	113	337	2	339
Siskiyou	1	6	12	2	18	2	29	70	47	117
Tehama	0	10	9	4	52	1	40	116	4	120
Trinity	1	2	7	1	4	0	4	19	1	20
Yuba	2	9	12	4	13	2	25	67	5	72
TOTAL	19	194	241	51	318	32	548	1403	129	1532

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION III										
Inyo	8	4	19	4	10	1	31	77	4	81
Mono	0	0	0	0	1	0	3	4	2	6
Riverside	52	173	70	59	212	67	402	1035	1	1036
San Bernardino	11	28	7	29	51	23	142	291	4	295
San Diego	46	83	84	40	78	23	253	607	3	610
San Luis Obispo	4	13	23	11	89	14	104	258	1	259
TOTAL	121	301	203	143	441	128	935	2272	15	2287



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION IV										
Amador	1	11	26	18	24	1	42	123	7	130
Calaveras	3	28	29	21	47	14	85	227	17	244
El Dorado	3	26	51	6	29	3	99	217	22	239
Fresno	3	13	7	6	27	2	62	120	11	131
Kings	0	0	0	0	1	0	2	3	0	3
Madera	3	16	13	4	30	4	34	104	6	110
Mariposa	2	4	9	3	14	0	16	48	6	54
Merced	1	6	1	3	13	2	17	43	1	44
Monterey	4	12	13	15	58	3	51	156	1	157
Sacramento	0	1	1	2	3	1	3	11	0	11
San Benito	2	1	6	2	8	2	12	33	0	33
San Joaquin	0	2	1	2	2	0	8	15	0	15
Stanislaus	2	0	1	0	6	0	1	10	1	11
Tulare	4	14	12	7	18	1	40	96	3	99
Tuolumne	3	17	16	2	40	6	90	174	9	183
TOTAL	31	151	186	91	320	39	562	1380	84	1464

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY REGION

	A	B	C	D	E	F	G	TOTAL
REGION I	892	372	77	5	5	1	0	1352
REGION II	1163	315	41	6	6	1	0	1532
REGION III	1718	446	76	23	17	6	1	2287
REGION IV	988	376	77	12	7	3	1	1464
TOTAL	4761	1509	271	46	35	11	2	6635

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION I								
-----								
Alameda	62	36	9	0	0	0	0	107
Colusa	7	0	2	0	1	0	0	10
Contra Costa	34	34	9	1	0	0	0	78
Del Norte	26	7	0	0	0	0	0	33
Humboldt	119	69	8	1	0	0	0	197
Lake	54	29	6	1	0	0	0	90
Mendocino	183	48	7	0	0	0	0	238
Napa	61	26	4	0	0	0	0	91
San Joaquin	4	3	0	0	0	0	0	7
San Mateo	23	18	1	0	0	0	0	42
Santa Clara	64	28	10	1	3	0	0	106
Santa Cruz	83	16	3	0	0	0	0	102
Solano	17	9	3	0	0	0	0	29
Sonoma	121	35	9	1	0	0	0	166
Stanislaus	7	11	1	0	0	0	0	19
Yolo	19	11	5	0	1	1	0	37
TOTAL	884	380	77	5	5	1	0	1352

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION II								
-----								
Butte	271	55	10	3	2	0	0	341
Glenn	2	6	1	0	0	0	0	9
Lassen	66	6	0	0	0	1	0	73
Modoc	8	5	0	0	0	0	0	13
Nevada	121	25	0	0	0	0	0	146
Placer	206	63	7	0	0	0	0	276
Plumas	5	1	0	0	0	0	0	6
Shasta	248	78	11	2	0	0	0	339
Siskiyou	96	20	1	0	0	0	0	117
Tehama	75	33	8	0	4	0	0	120
Trinity	17	3	0	0	0	0	0	20
Yuba	48	20	3	1	0	0	0	72
TOTAL	1163	315	41	6	6	1	0	1532

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION III								
-----								
Inyo	61	12	5	2	1	0	0	81
Mono	6	0	0	0	0	0	0	6
Riverside	807	182	26	9	8	4	0	1036
San Bernardino	230	52	9	1	3	0	0	295
San Diego	463	117	17	8	3	2	0	610
San Luis Obispo	151	83	19	3	2	0	1	259
TOTAL	1718	446	76	23	17	6	1	2287

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
NUMBER OF WILDFIRES  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION IV -----								
Amador	89	34	7	0	0	0	0	130
Calaveras	177	54	11	0	2	0	0	244
El Dorado	168	64	7	0	0	0	0	239
Fresno	73	40	12	4	0	1	1	131
Kings	1	1	0	0	1	0	0	3
Madera	68	36	5	1	0	0	0	110
Mariposa	37	15	2	0	0	0	0	54
Merced	22	14	5	2	0	1	0	44
Monterey	99	41	13	3	0	1	0	157
Sacramento	4	3	4	0	0	0	0	11
San Benito	23	6	4	0	0	0	0	33
San Joaquin	11	4	0	0	0	0	0	15
Stanislaus	5	5	0	0	1	0	0	11
Tulare	70	22	3	2	2	0	0	99
Tuolumne	141	37	4	0	1	0	0	183
TOTAL	988	376	77	12	7	3	1	1464

A - .25 acre or less  
 B - .26 acre through 9 acres  
 C - 10 acres through 99 acres  
 D - 100 acres through 299 acres  
 E - 300 acres through 999 acres  
 F - 1000 acres through 4999 acres  
 G - 5000 acres and over

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY REGION

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I	12	817	151	810	3304	58	2801	7953	99	8052
REGION II	5	1026	380	430	1072	56	6715	9684	316	10000
REGION III	4880	689	494	2565	5342	373	23411	37754	6	37760
REGION IV	192	862	708	7616	3239	33	3699	16349	1440	17789
TOTAL	5089	3394	1733	11421	12957	520	36626	71740	1861	73601

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I										
Alameda	0	64	1	43	124	6	49	287	0	287
Colusa	0	0	0	0	40	0	536	576	81	657
Contra Costa	0	35	1	82	131	0	354	603	0	603
Del Norte	1	1	0	1	0	0	3	6	0	6
Humboldt	1	176	54	6	5	0	246	488	3	491
Lake	0	33	10	13	16	1	255	328	1	329
Mendocino	0	25	27	2	22	1	222	299	2	301
Napa	0	4	43	3	101	0	16	167	1	168
San Joaquin	0	5	0	0	3	0	2	10	0	10
San Mateo	0	5	0	10	3	0	24	42	0	42
Santa Clara	1	50	6	467	494	11	758	1787	6	1793
Santa Cruz	0	1	3	21	1	14	21	61	0	61
Solano	0	0	2	0	15	0	55	72	0	72
Sonoma	2	413	3	157	143	25	120	863	1	864
Stanislaus	0	5	0	0	57	0	2	64	0	64
Yolo	7	0	1	5	2149	0	138	2300	4	2304
TOTAL	12	817	151	810	3304	58	2801	7953	99	8052



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION II										
Butte	0	787	28	109	238	6	823	1991	274	2265
Glenn	0	0	3	0	54	0	3	60	0	60
Lassen	1	5	0	0	0	0	3855	3861	1	3862
Modoc	0	5	2	0	12	0	1	20	0	20
Nevada	0	8	4	0	2	2	18	34	1	35
Placer	1	144	18	1	37	2	81	284	16	300
Plumas	0	0	0	0	0	0	0	0	0	0
Shasta	2	62	294	8	260	26	210	862	1	863
Siskiyou	0	1	9	0	11	0	35	56	7	63
Tehama	0	7	17	301	179	20	1640	2164	1	2165
Trinity	1	0	0	0	2	0	0	3	0	3
Yuba	0	7	5	11	277	0	49	349	15	364
TOTAL	5	1026	380	430	1072	56	6715	9684	316	10000

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION III										
-----										
Inyo	1	2	77	288	3	30	1136	1537	2	1539
Mono	0	0	0	0	0	0	0	0	0	0
Riverside	20	155	17	1376	3582	74	7392	12616	0	12616
San Bernardino	1	34	2	713	87	62	1279	2178	0	2177
San Diego	4855	417	369	77	481	193	2953	9345	0	9345
San Luis Obispo	3	81	29	111	1189	14	10651	12078	4	12082
TOTAL	4880	689	494	2565	5342	373	23411	37754	6	37760

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION IV -----										
Alpine	0	0	0	0	0	0	0	0	0	0
Amador	0	31	12	103	6	0	177	329	1	330
Calaveras	0	132	494	21	508	15	85	1255	16	1271
El Dorado	4	51	21	1	138	1	160	376	2	378
Fresno	0	78	13	5099	19	1	754	5964	209	6173
Kern	0	0	0	0	0	0	0	0	0	0
Kings	0	0	0	0	1	0	700	701	0	701
Madera	3	45	27	3	22	2	258	360	13	373
Mariposa	71	36	3	1	3	0	12	126	5	131
Merced	3	249	0	7	356	12	104	731	1192	1923
Monterey	100	18	31	2340	336	0	94	2919	0	2919
Sacramento	0	0	20	30	101	2	2	155	0	155
San Benito	1	0	28	1	33	0	137	200	0	200
San Joaquin	0	0	0	0	0	0	6	6	0	6
Stanislaus	7	0	0	0	603	0	3	613	0	613
Tulare	0	208	16	8	1106	0	380	1718	0	1718
Tuolumne	3	14	43	2	7	0	827	896	2	898
TOTAL	192	862	708	7616	3239	33	3699	16349	1440	17789

STATE RESPONSIBILITY - ALL AGENCIES  
ACRES BURNED  
BY SIZE CLASS AND BY REGION

	A	B	C	D	E	F	G	TOTAL
REGION I	37	741	2261	1247	2616	1150	0	8052
REGION II	36	560	977	1475	3102	3850	0	10000
REGION III	47	841	2155	4667	9128	11242	9680	37760
REGION IV	33	763	2280	2549	4064	8100	0	17789
TOTAL	153	2905	7673	9938	18910	24342	9680	73601

A - .25 acre or less  
 B - .26 acre through 9 acres  
 C - 10 acres through 99 acres  
 D - 100 acres through 299 acres  
 E - 300 acres through 999 acres  
 F - 1000 acres through 4999 acres  
 G - 5000 acres and over

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION I								
-----								
Alameda	3	100	185	0	0	0	0	288
Colusa	0	0	121	0	536	0	0	657
Contra Costa	2	70	270	260	0	0	0	602
Del Norte	1	5	0	0	0	0	0	6
Humboldt	5	121	225	140	0	0	0	491
Lake	3	45	79	203	0	0	0	330
Mendocino	8	87	205	0	0	0	0	300
Napa	1	42	125	0	0	0	0	168
San Joaquin	0	10	0	0	0	0	0	10
San Mateo	0	32	10	0	0	0	0	42
Santa Clara	1	75	353	254	1110	0	0	1793
Santa Cruz	4	18	39	0	0	0	0	61
Solano	1	19	52	0	0	0	0	72
Sonoma	5	68	501	290	0	0	0	864
Stanislaus	0	13	51	0	0	0	0	64
Yolo	1	36	147	0	970	1150	0	2304
TOTAL	35	741	2362	1147	2616	1150	0	8052

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION II								
-----								
Butte	7	101	317	640	1200	0	0	2265
Glenn	0	10	50	0	0	0	0	60
Lassen	1	10	0	0	0	3850	0	3862
Modoc	1	20	0	0	0	0	0	20
Nevada	2	33	0	0	0	0	0	35
Placer	7	93	200	0	0	0	0	300
Plumas	0	0	0	0	0	0	0	0
Shasta	8	163	232	460	0	0	0	863
Siskiyou	6	32	25	0	0	0	0	63
Tehama	2	65	194	0	1902	0	0	2163
Trinity	1	3	0	0	0	0	0	4
Yuba	2	29	59	275	0	0	0	365
TOTAL	37	559	1077	1375	3102	3850	0	10000

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION III								
-----								
Inyo	1	28	243	454	813	0	0	1539
Mono	0	0	0	0	0	0	0	0
Riverside	21	353	580	2120	4145	5397	0	12616
San Bernardino	8	68	322	205	1575	0	0	2178
San Diego	14	209	370	1302	1605	5845	0	9345
San Luis Obispo	3	183	639	587	990	0	9680	12082
TOTAL	47	841	2154	4668	9128	11242	9680	37760

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY SIZE CLASS AND BY COUNTY

	A	B	C	D	E	F	G	TOTAL
REGION IV								
Alpine	0	0	0	0	0	0	0	0
Amador	4	67	259	0	0	0	0	330
Calaveras	6	115	270	0	880	0	0	1271
El Dorado	10	120	248	0	0	0	0	378
Fresno	1	93	469	765	0	1600	3245	6173
Kern	0	0	0	0	0	0	0	0
Kings	0	1	0	0	700	0	0	701
Madera	2	87	134	150	0	0	0	373
Mariposa	1	24	106	0	0	0	0	131
Merced	1	22	213	495	0	1192	0	1923
Monterey	3	87	360	406	0	2063	0	2919
Sacramento	0	5	150	0	0	0	0	155
San Benito	1	8	191	0	0	0	0	200
San Joaquin	1	5	0	0	0	0	0	6
Stanislaus	0	13	0	0	600	0	0	613
Tulare	1	57	87	433	1140	0	0	1718
Tuolumne	4	60	90	0	744	0	0	898
TOTAL	35	764	2577	2249	4064	4855	3245	17789

A - .25 acre or less  
 B - .26 acre through 9 acres  
 C - 10 acres through 99 acres  
 D - 100 acres through 299 acres  
 E - 300 acres through 999 acres  
 F - 1000 acres through 4999 acres  
 G - 5000 acres and over



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY VEGETATION TYPE BY REGION

	TIMBER	WOODLAND	BRUSH	GRASS	ARG. PROD.	TOTAL
REGION I	797	1235	518	4841	661	8052
REGION II	3972	942	1867	3194	25	10000
REGION III	34	455	29888	7261	122	37760
REGION IV	237	1532	4240	11611	169	17789
TOTAL	5040	4164	36513	26907	977	73601

Agr. Prod. = Agriculture Products

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY VEGETATION TYPE AND BY COUNTY

	TIMBER	WOODLAND	BRUSH	GRASS	ARG. PROD.	TOTAL
REGION I						
-----						
Alameda	10	0	2	275	0	287
Colusa	536	81	0	0	40	657
Contra Costa	0	68	27	508	0	603
Del Norte	1	0	0	5	0	6
Humboldt	95	79	147	170	0	491
Lake	18	152	20	127	12	329
Mendocino	52	11	72	166	0	301
Napa	1	64	0	103	0	168
San Joaquin	0	0	0	10	0	10
San Mateo	10	1	3	28	0	42
Santa Clara	35	308	238	1213	0	1793
Santa Cruz	16	6	4	35	0	61
Solano	0	0	0	72	0	72
Sonoma	3	146	5	709	0	864
Stanislaus	0	0	0	64	0	64
Yolo	20	317	0	1358	609	2304
 TOTAL	 797	 1233	 518	 4843	 661	 8052

Agr. Prod. = Agriculture Products

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY VEGETATION TYPE AND BY COUNTY

	TIMBER	WOODLAND	BRUSH	GRASS	ARG. PROD.	TOTAL
REGION II						
-----						
Butte	6	271	1039	949	0	2265
Glenn	1	0	0	56	3	60
Lassen	3857	0	0	5	0	3862
Modoc	0	0	11	9	0	20
Nevada	7	2	4	22	0	35
Placer	5	69	61	165	0	300
Plumas	0	0	0	0	0	0
Shasta	82	502	55	222	2	863
Siskiyou	3	8	3	49	0	63
Tehama	2	67	691	1385	20	2165
Trinity	1	0	0	2	0	3
Yuba	5	23	2	334	0	364
 TOTAL	 3969	 942	 1866	 3198	 25	 10000

Agr. Prod. = Agriculture Products

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY VEGETATION TYPE AND BY COUNTY

	TIMBER	WOODLAND	BRUSH	GRASS	ARG. PROD.	TOTAL
REGION III						
-----						
Inyo	5	0	1119	415	0	1539
Mono	0	0	0	0	0	0
Riverside	1	0	7591	5016	8	12616
San Bernardino	1	5	1499	673	0	2178
San Diego	3	40	9066	220	16	9345
San Luis Obispo	24	410	10613	937	98	12082
 TOTAL	 34	 455	 29888	 7261	 122	 37760

Agr. Prod.      =      Agriculture Products

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
ACRES BURNED  
BY VEGETATION TYPE AND BY COUNTY

	TIMBER	WOODLAND	BRUSH	GRASS	ARG. PROD.	TOTAL
REGION IV						
-----						
Alpine	0	0	0	0	0	0
Amador	5	125	69	131	0	330
Calaveras	64	92	658	457	0	1271
El Dorado	27	53	101	197	0	378
Fresno	6	1	2528	3638	0	6173
Kern	0	0	0	0	0	0
Kings	0	0	0	701	0	701
Madera	0	65	21	226	61	373
Mariposa	0	1	35	95	0	131
Merced	0	0	0	1923	0	1923
Monterey	7	836	263	1710	103	2919
Sacramento	0	0	50	105	0	155
San Benito	0	2	86	112	0	200
San Joaquin	0	0	0	6	0	6
Stanislaus	0	0	0	613	0	613
Tulare	0	40	172	1501	5	1718
Tuolumne	128	318	258	194	0	898
 TOTAL	 237	 1533	 4241	 11609	 169	 17789

Agr. Prod. = Agriculture Products

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY CAUSE AND BY REGION

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I	250100	84588	43442	218081	1540002	4900	2243699	4384812	600	4385412
REGION II	12000	429100	49550	14100	1410957	13010	3720776	5649493	181751	5831244
REGION III	45601	553034	62200	1404450	1331132	134281	1950908	5481606	5000	5486606
REGION IV	2459	64733	9061	638605	8829593	30200	1954446	11529097	132954	11662051
TOTAL	310160	1131455	164253	2275236	13111684	182391	9869829	27045008	320305	27365313

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION I -----										
Alameda	0	587	1000	500	79200	0	91902	173189	0	173189
Colusa	0	0	0	0	77000	0	53600	130600	300	130900
Contra Costa	0	300	0	25980	11305	0	53390	90975	0	90975
Del Norte	0	0	0	0	10400	0	99000	109400	0	109400
Humboldt	0	10100	2	50000	83825	0	186301	330228	0	330228
Lake	250000	1000	300	15400	37600	200	240701	545201	0	545201
Mendocino	0	60450	24500	8900	254210	0	197905	545965	0	545965
Napa	0	1000	40	82200	209950	0	5500	298690	0	298690
San Joaquin	0	150	0	0	0	0	0	150	0	150
San Mateo	0	1	0	0	4102	0	118000	122103	0	122103
Santa Clara	100	8400	10000	31500	397800	200	346300	794300	0	794300
Santa Cruz	0	500	2500	0	23800	4000	535200	566000	0	566000
Solano	0	0	0	0	200	0	200000	200200	0	200200
Sonoma	0	2100	5100	3601	160700	500	112600	284601	300	284901
Stanislaus	0	0	0	0	126400	0	0	126400	0	126400
Yolo	0	0	0	0	63510	0	3300	66810	0	66810
TOTAL	250100	84588	43442	218081	1540002	4900	2243699	4384812	600	4385412

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION II										
-----										
Butte	0	260600	150	100	232750	2100	296300	792000	70000	862000
Glenn	0	0	100	0	6750	0	600	7450	0	7450
Lassen	0	50	0	0	10600	0	2396653	2407303	50000	2457303
Modoc	0	0	0	0	4	0	1	5	0	5
Nevada	0	100	3200	0	5800	500	9501	19101	0	19101
Placer	0	59000	2300	0	130251	0	203430	394981	0	394981
Plumas	0	0	0	0	0	0	0	0	600	600
Shasta	2000	38650	41300	500	691100	10200	249101	1032851	0	1032851
Siskiyou	0	200	2100	5500	38200	10	14710	60720	31151	91871
Tehama	0	10500	0	8000	185902	200	298180	502782	30000	532782
Trinity	0	0	400	0	77500	0	250000	327900	0	327900
Yuba	10000	60000	0	0	32100	0	2300	104400	0	104400
TOTAL	12000	429100	49550	14100	1410957	13010	3720776	5649493	181751	5831244



STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION III										
-----										
Inyo	0	0	42000	200	8200	0	81210	131610	0	13161
Mono	0	0	0	0	3000	0	300	3300	0	330
Riverside	23001	267932	5100	1302400	837611	133151	720800	3289995	5000	329499
San Bernardino	10300	77000	200	69500	56000	100	130450	343550	0	34355
San Diego	12300	30701	11300	20250	297751	30	385658	757990	0	75799
San Luis Obispo	0	177401	3600	12100	128570	1000	632490	955161	0	95516
TOTAL	45601	553034	62200	1404450	1331132	134281	1950908	5481606	5000	548660

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY CAUSE AND BY COUNTY

	Cmpr.	Smkr.	Debris	Arson	Equip. Use	Play. With Fire	Misc.	TOTAL PERSON CAUSED	Ltng.	TOTAL
REGION IV -----										
Amador	0	2000	2000	1400	187700	0	208110	401210	0	401210
Calaveras	0	10690	4500	300	124600	30100	342145	512335	13000	525335
El Dorado	0	10	501	100	4700	0	27084	32395	0	32395
Fresno	0	19600	0	15000	77857	0	269919	382376	42200	424576
Kings	0	0	0	0	6000	0	1400	7400	0	7400
Madera	200	1400	0	450600	19685	0	3901	475786	60100	535886
Mariposa	709	500	1000	80000	16500	0	4400	103109	17000	120109
Merced	0	2450	0	100	49150	0	25000	76700	0	76700
Monterey	250	24843	500	91000	8083300	0	299600	8499493	0	8499493
Sacramento	0	0	0	0	2100	0	1500	3600	0	3600
San Benito	300	0	300	0	2700	100	3200	6600	0	6600
San Joaquin	0	0	0	0	55000	0	25000	80000	0	80000
Stanislaus	0	0	0	0	9000	0	0	9000	629	9629
Tulare	0	2310	100	100	69600	0	229012	301122	0	301122
Tuolumne	1000	930	160	5	121701	0	514175	637971	25	637996
TOTAL	2459	64733	9061	638605	8829593	30200	1954446	11529097	132954	11662051

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY MATERIAL CLASS BY REGION

	VEGETATION	BUILDING	VEHICLES	OTHER	TOTAL
REGION I	238223	2891161	1172928	83100	4385412
REGION II	179291	4862800	625400	163753	5831244
REGION III	211846	4080796	1114733	79231	5486606
REGION IV	196125	2611650	8789179	65097	11662051
TOTAL	825485	14446407	11702240	391181	27365313

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY MATERIAL CLASS BY COUNTY

REGION I -----	VEGETATION	BUILDING	VEHICLES	OTHER	TOTAL
Alameda	2187	8100	162402	500	173189
Colusa	53800	55000	22000	100	130900
Contra Costa	4775	54800	30000	1400	90975
Del Norte	0	105000	4400	0	109400
Humboldt	60602	166801	102825	0	330228
Lake	400	506500	22901	15400	545201
Mendocino	2465	275900	261400	6200	545965
Napa	90	9100	269100	20400	298690
San Joaquin	0	150	0	0	150
San Mateo	3	118000	4100	0	122103
Santa Clara	74400	622100	95800	2000	794300
Santa Cruz	300	530900	34300	500	566000
Solano	0	200000	100	100	200200
Sonoma	7301	238800	37600	1200	284901
Stanislaus	100	0	126000	300	126400
Yolo	31800	10	0	35000	66810
 TOTAL	 238223	 2891161	 1172928	 83100	 4385412

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY MATERIAL CLASS BY COUNTY

REGION II -----	VEGETATION	BUILDING	VEHICLES	OTHER	TOTAL
Butte	1600	692500	158900	9000	862000
Glenn	900	600	0	5950	7450
Lassen	160	2340000	10500	106643	2457303
Modoc	5	0	0	0	5
Nevada	1	15400	3300	400	19101
Placer	5231	225800	156750	7200	394981
Plumas	100	0	0	500	600
Shasta	108101	762150	143900	18700	1032851
Siskiyou	4961	39500	44350	3060	91871
Tehama	30332	481150	19000	2300	532782
Trinity	2400	290000	35500	0	327900
Yuba	25500	15700	53200	10000	104400
 TOTAL	 179291	 4862800	 625400	 163753	 5831244

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY MATERIAL CLASS BY COUNTY

REGION III -----	VEGETATION	BUILDING	VEHICLES	OTHER	TOTAL
Inyo	710	70700	34700	25500	131610
Mono	0	300	3000	0	3300
Riverside	26352	2612025	632612	24006	3294995
San Bernardino	5550	261300	76400	300	343550
San Diego	132454	434321	171695	19520	757990
San Luis Obispo	46780	702150	196326	9905	955161
 TOTAL	 211846	 4080796	 1114733	 79231	 5486606

STATE RESPONSIBILITY - CDF DIRECT PROTECTION  
DOLLAR DAMAGE  
BY MATERIAL CLASS BY COUNTY

REGION IV -----	VEGETATION	BUILDING	VEHICLES	OTHER	TOTAL
Amador	4010	265700	129500	2000	401210
Calaveras	34785	389550	95800	5200	525335
El Dorado	1092	19800	10603	900	32395
Fresno	15526	319650	86400	3000	424576
Kings	1400	0	6000	0	7400
Madera	1061	516100	16925	1800	535886
Mariposa	509	67200	49400	3000	120109
Merced	21600	4500	49000	1600	76700
Monterey	85100	276850	8124200	13343	8499493
Sacramento	2100	0	1500	0	3600
San Benito	600	3100	2300	600	6600
San Joaquin	0	25000	55000	0	80000
Stanislaus	9000	0	0	629	9629
Tulare	18522	196000	85900	700	301122
Tuolumne	820	528200	76651	32325	637996
 TOTAL	 196125	 2611650	 8789179	 65097	 11662051

# FIRE ACTIVITY



# FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED

	STATE ZONE			FEDERAL ZONE	LOCAL ZONE		MISC.	FALSE ALARMS	TOTAL
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract		Local Gov. Contract	Non- contract			
REGION I	1352	145	97	25	371	83	54	390	2517
REGION II	1532	369	133	141	702	135	121	761	3894
REGION III	2287	976	146	201	3574	114	275	2616	10189
REGION IV	1464	273	220	98	1233	128	235	790	4441
TOTAL	6635	1763	596	465	5880	460	685	4557	21041

Local Responsibility Wildfires in State Zone are building, vehicle, improvement or refuse fires which did not burn or threaten to burn wildland vegetation.

Miscellaneous Fires are wildfires occurring on Military Reservations, Contract Counties, Cities, Other States and Mexico.

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY REGION AND RANGER UNIT

	STATE ZONE				LOCAL ZONE				
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract	FEDERAL ZONE	LOCAL Gov. Contract	Non- contract	MISC.	FALSE ALARMS	TOTAL
REGION I									
Humboldt-Del Norte	230	9	20	20	0	8	0	37	32
Lake-Napa	257	17	2	2	114	6	3	77	47
Mendocino	238	1	21	3	79	22	6	21	39
San Mateo-Santa Cruz	144	81	30	0	39	16	5	95	41
Santa Clara	317	30	11	0	122	14	39	119	65
Sonoma	166	7	13	0	17	17	1	41	26
TOTAL	1352	145	97	25	371	83	54	390	251
REGION II									
Butte	341	163	5	27	481	43	50	315	1425
Lassen-Modoc	91	1	4	44	0	13	0	36	189
Nevada-Yuba-Placer	494	67	73	14	46	17	19	246	976
Shasta-Trinity	358	77	34	35	68	50	38	97	757
Siskiyou	117	23	14	15	5	8	12	36	230
Tehama-Glenn	131	38	3	6	102	4	2	31	317
TOTAL	1532	369	133	141	702	135	121	761	3894

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY REGION AND RANGER UNIT

	STATE ZONE				LOCAL ZONE		MISC.	FALSE ALARMS	TOTAL
	STATE RESP. WILDFIRES	LOCAL RESP. WILDFIRES		FEDERAL ZONE	Local Gov. Contract	Non- contract			
		Local Gov. Contract	Non- contract						
REGION III									
Owens Valley	87	1	5	49	0	4	1	38	185
Riverside	1035	564	28	19	2794	26	103	1861	6430
San Bernardino	295	343	56	96	708	44	123	372	2037
San Diego	611	6	45	34	3	27	33	190	949
San Luis Obispo	259	62	12	3	69	13	15	155	588
TOTAL	2287	976	146	201	3574	114	275	2616	10189
REGION IV									
Amador-El Dorado	387	20	59	13	5	30	21	46	581
Fresno-Kings	134	50	4	14	1033	11	140	348	1734
Madera-Mariposa	208	12	0	17	4	0	1	47	289
San Benito-Monterey	190	56	10	6	99	15	19	170	565
Tulare	99	37	3	17	5	0	17	23	201
Tuolumne-Calaveras	446	98	144	31	87	72	37	156	1071
TOTAL	1464	273	220	98	1233	128	235	790	4441

Local Responsibility Wildfires in State Zone are building, vehicle, improvement or refuse fires which did not burn or threaten to burn wildland vegetation.

Miscellaneous Fires are wildfires occurring on Military Reservations, Contract Counties, Cities, Other States and Mexico.

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY COUNTY

	STATE ZONE				LOCAL ZONE				
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract	FEDERAL ZONE	LOCAL Gov. Contract	Non- contract	MISC.	FALSE ALARMS	TOTAL
REGION I									
Alameda	107	14	4	0	10	2	8	51	196
Colusa	10	0	0	0	0	0	0	0	10
Contra Costa	78	0	0	0	0	4	2	9	93
Del Norte	33	1	1	3	0	2	0	11	51
Humboldt	197	8	19	17	0	7	0	26	274
Lake	90	0	1	2	0	6	0	8	107
Mendocino	238	1	21	3	79	21	6	21	390
Napa	91	16	1	0	114	0	1	64	287
San Joaquin	7	0	1	0	0	0	0	0	8
San Mateo	42	42	0	0	25	3	3	39	154
Santa Clara	106	16	6	0	113	7	29	53	330
Santa Cruz	102	39	30	0	14	13	2	56	256
Solano	29	0	0	0	0	0	2	3	34
Sonoma	166	7	13	0	16	17	1	41	261
Stanislaus	19	0	0	0	0	1	0	6	26
Yolo	37	1	0	0	0	0	0	2	40
TOTAL	1352	145	97	25	371	83	54	390	2517

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY COUNTY

	STATE ZONE				LOCAL ZONE				
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract	FEDERAL ZONE	LOCAL Gov. Contract	Non- contract	MISC.	FALSE ALARMS	TOTAL
REGION II									
Butte	341	163	5	21	481	43	50	315	141
Glenn	9	0	0	1	2	1	0	1	1
Lassen	73	1	2	35	0	8	0	28	14
Modoc	13	0	2	7	0	5	0	4	3
Nevada	146	20	14	7	3	5	0	73	26
Placer	276	46	39	7	43	3	9	145	56
Plumas	6	0	0	8	0	0	0	4	1
Shasta	339	77	27	21	68	49	38	90	70
Siskiyou	117	23	14	14	5	8	12	36	22
Tehama	120	38	3	5	100	3	2	30	30
E.Trinity	20	0	7	15	0	1	0	7	5
Yuba	72	1	20	0	0	9	10	28	14
TOTAL	1532	369	133	141	702	135	121	761	389

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY COUNTY

	STATE ZONE				LOCAL ZONE				
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract	FEDERAL ZONE	Local Gov. Contract	Non- contract	MISC.	FALSE ALARMS	TOTAL
REGION III									
Imperial	0	0	0	0	0	2	0	1	3
Inyo	0	0	0	0	0	1	0	0	1
Mono	81	0	3	20	0	3	1	27	135
Riverside	6	1	2	29	0	1	0	11	50
San Bernardino	1036	564	28	19	2794	26	103	1862	6432
San Diego	295	343	56	96	706	42	123	370	2031
San Luis Obispo	610	6	45	34	5	26	33	190	949
	259	62	12	3	69	13	15	155	588
TOTAL	2287	976	146	201	3574	114	275	2616	10189

FIRES AND FALSE ALARMS TO WHICH CDF RESPONDED  
BY COUNTY

	STATE ZONE				LOCAL ZONE				
	STATE RESP. WILDFIRES	LOCAL RESP. Local Gov. Contract	WILDFIRES Non- contract	FEDERAL ZONE	Local Gov. Contract	Non- contract	MISC.	FALSE ALARMS	TOTAL
REGION IV									
Alpine	0	2	0	0	0	0	0	0	2
Amador	130	20	28	4	4	12	15	13	226
Calaveras	244	18	93	2	5	40	5	49	456
El Dorado	239	0	23	9	0	13	5	30	319
Fresno	131	50	3	14	1033	11	140	348	1730
Kern	0	0	0	2	0	0	4	0	6
Kings	3	0	1	0	0	0	0	0	4
Madera	110	3	0	10	4	0	1	22	150
Mariposa	54	4	0	6	0	0	0	17	81
Merced	44	5	0	1	0	0	0	8	58
Monterey	157	41	8	6	38	14	12	133	409
Sacramento	11	0	8	0	0	5	1	3	28
San Benito	33	15	2	0	61	1	7	37	156
San Joaquin	15	0	0	0	0	3	0	2	20
Santa Clara	0	0	0	0	1	0	0	0	1
Stanislaus	11	0	0	0	0	9	0	4	24
Tulare	99	37	3	15	5	0	13	23	195
Tuolumne	183	78	51	29	82	20	32	101	576
TOTAL	1464	273	220	98	1233	128	235	790	4441

Local Responsibility Wildfires in State Zone are building, vehicle, improvement or refuse fires which did not burn or threaten to burn wildland vegetation.

Miscellaneous Fires are wildfires occurring on Military Reservations, Contract Counties, Cities, Other States and Mexico.

FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION I

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
<u>DEL NORTE COUNTY</u>		
Red Mountain	-	-
<u>HUMBOLDT COUNTY</u>		
Grasshopper Peak	2	2
Iaqua Butte	-	-
Pratt Mountain	4	3
Schoolhouse Peak	2	1
<u>LAKE COUNTY</u>		
Mt. Konocti	9	7
Mt. St. Helena	7	6
<u>MENDOCINO COUNTY</u>		
Cahto Peak	1	1
Cold Springs	4	2
Iron Peak	3	1
Two Rock	-	-
<u>MERCED COUNTY</u>		
Basalt Peak	5	3
<u>NAPA COUNTY</u>		
Berryessa Peak	6	1
<u>SANTA CLARA COUNTY</u>		
Copernicus Peak	7	1
<u>SANTA CRUZ COUNTY</u>		
Bielawski	2	-
Eagle Rock	7	2



FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION I  
(cont.)

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
<u>SONOMA COUNTY</u>		
Mt. Jackson	5	5
Oak Ridge	-	-
Number of Fires First Reported by CDF Lookouts	64	37
Percent of Total Fires	5	
Number of Fires First Reported by USFS Lookouts	21	
Percent of Total Fires	1	
Number of Fires First Reported by Individuals	1267	
Percent of Total Fires	94	
REGION II		
<u>BUTTE COUNTY</u>		
Bald Mountain	21	2
Bloomer Hill	33	32
Platte Mountain	2	2
Sawmill Peak	26	28
Sunset Hill	10	16
<u>LASSEN COUNTY</u>		
Don Landon	10	3
Fredonyer Peak	7	1
Likely Mountain	-	2
Pegleg	19	1
<u>MODOC COUNTY</u>		
Hayden Hill	2	-
Manzanita	2	-

FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION II

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
<u>NEVADA COUNTY</u>		
Banner Mountain	13	11
Wolf Creek Mountain	59	32
<u>PLACER COUNTY</u>		
Howell Mountain	20	6
<u>SHASTA COUNTY</u>		
Bear Mountain	-	-
Bullychoop	8	4
Latour Butte	14	2
Shasta Bear	38	21
Soldier Mountain	5	1
South Fork	16	14
<u>SISKIYOU COUNTY</u>		
Duzel Rock	5	10
Paradise Craggy	-	-
Quartz Hill	23	3
<u>TEHAMA COUNTY</u>		
Digger Butte	-	-
Eagle Peak	4	5
Inskip Hill	4	4
Pattymocus	5	2
Tuscan Butte	9	3
<u>YUBA COUNTY</u>		
Oregon Peak	29	19
Number of Fires First Reported by CDF Lookouts	384	224
Percent of Total Fires	25	

FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION II  
(cont.)

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
Number of Fires First Reported by USFS Lookouts	40	
Percent of Total Fires	2	
Number of Fires First Reported by Individuals	1108	
Percent of Total Fires	72	

REGION III

<u>SAN DIEGO COUNTY</u>		
Boucher Hill	-	-
<u>SAN LUIS OBISPO COUNTY</u>		
Rocky Butte	-	-
Number of Fires First Reported by CDF Lookouts	-	-
Percent of Total Fires	0	
Number of Fires First Reported by USFS Lookouts	2	
Percent of Total Fires	0	
Number of Fires First Reported by Individuals	2285	
Percent of Total Fires	100	

REGION IV

<u>AMADOR COUNTY</u>		
Mt. Zion	25	21
<u>EL DORADO COUNTY</u>		
Mt. Danaher	9	9
Pilot Peak	46	48
Pine Hill	42	20

FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION IV

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
<u>CALAVERAS COUNTY</u>		
Blue Mountain	42	7
Fowler Peak	18	3
Sierra Vista	2	3
Valley Springs	15	10
<u>FRESNO COUNTY</u>		
Bear Mountain	-	-
Black Mountain	3	-
<u>MADERA COUNTY</u>		
Deadwood Peak	7	8
Red Top	-	-
<u>MARIPOSA COUNTY</u>		
Green Mountain	-	-
Penon Blanco	3	2
Williams Peak	3	-
<u>MONTEREY COUNTY</u>		
Calandra	4	1
Chalone Peak	1	1
Sid Ormsbee	-	-
Smith Mountain	6	2
<u>SAN BENITO COUNTY</u>		
Call Mountain	2	-
<u>STANISLAUS COUNTY</u>		
Mt. Oso	7	2

FIRE SUPPRESSION ACTIVITY  
CDF LOOKOUT ACTIVITY  
BY REGION BY COUNTY AND LOOKOUT  
REGION IV  
(cont.)

<u>CDF LOOKOUT LOCATION AND NAME</u>	<u>FIRST REPORT</u>	<u>SECOND REPORT</u>
<u>TUOLUMNE COUNTY</u>		
Rushing Mountain	4	4
Number of Fires First Reported by CDF Lookouts	239	141
Percent of Total Fires	16	
Number of Fires First Reported by USFS Lookouts	12	
Percent of Total Fires	1	
Number of Fires First Reported by Individuals	1214	
Percent of Total Fires	83	
STATE FIRES		
Number of Fires First Reported by CDF Lookouts	687	402
Percent of Total Fires	10	
Number of Fires First Reported by USFS Lookouts	60	
Percent of Total Fires	1	
Number of Fires First Reported by Individuals	5888	
Percent of Total Fires	89	

ANNUAL AIRCRAFT ACTIVITY REPORT  
SUMMARY OF AIRCRAFT USED ON STATE RESPONSIBILITY AREA  
Regions 1989

Regions Ranger Unit <u>Contract</u> <u>County</u>	<u>Type of Aircraft</u>	Hours of Use			Flight Time		Cost	Retard.	Retard.	Total
		<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Cost</u>	<u>Del.</u>	<u>Cost</u>
Region I Total	Light Aircraft	225	211	436	31,018	29,157	60,175	0	0	60,17
	Airtankers	262	312	574	142,148	185,184	327,332	97,339	313,570	424,67
Region II Total	Light Aircraft	259	107	366	36,123	15,095	51,218	0	0	51,21
	Airtankers	109	118	227	69,778	80,273	150,051	65,084	176,682	215,13
Region III Total	Light Aircraft	182	188	370	25,583	25,542	51,125	0	0	51,12
	Airtankers	118	326	444	68,305	184,472	252,777	70,180	502,800	322,95
Region IV Total	Light Aircraft	313	313	626	42,086	42,190	84,276	0	0	84,27
	Airtankers	299	429	728	168,469	246,793	415,262	105,792	411,727	521,05
North Zone	Light Aircraft	6	0	6	781	0	781	0	0	78
	Airtankers	1	0	1	320	0	320	600	0	92
South Zone	Light Aircraft	1	0	1	95	0	95	0	0	9
	Airtankers	6	17	23	2,656	9,137	11,793	2,080	19,200	13,87
Other Total	Light Aircraft	0	9	9	0	1,306	1,306	0	0	1,30
	Airtankers	<u>0</u>	<u>9</u>	<u>9</u>	<u>0</u>	<u>4,779</u>	<u>4,779</u>	<u>0</u>	<u>16,400</u>	<u>4,77</u>
STATE TOTAL	Light Aircraft	986	828	1,814	135,686	113,290	248,976	0	0	248,97
	Airtankers	795	1211	2,006	451,676	710,638	1162,314	341,075	1440,379	1503,38

\*Data represents CDF air activity only

ANNUAL AIRCRAFT ACTIVITY REPORT  
SUMMARY OF AIRCRAFT USED ON STATE RESPONSIBILITY AREA  
Region I 1989

Region I  
Ranger Unit

<u>Contract</u>	<u>County</u>	<u>Type of Aircraft</u>	<u>Hours of Use</u>			<u>Flight Time</u>		<u>Cost</u>	<u>Retard.</u>	<u>Retard.</u>	<u>Total</u>
			<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Cost</u>	<u>Del.</u>	<u>Cost</u>
Humb.-Del Norte		Light Aircraft	23	45	68	3,229	6,262	9,491	0	0	9,491
		Airtankers	4	29	33	2,151	17,832	19,983	0	20,270	19,983
Lake-Napa		Light Aircraft	51	43	94	7,140	5,982	13,122	0	0	13,122
		Airtankers	78	119	197	42,696	71,313	114,009	25,210	128,927	139,219
Mendocino		Light Aircraft	51	12	63	7,148	1,617	8,765	0	0	8,765
		Airtankers	52	39	91	28,189	24,125	52,314	29,648	36,783	81,962
San Mateo-S.Cruz		Light Aircraft	14	16	30	1,759	2,157	3,916	0	0	3,916
		Airtankers	13	12	25	6,972	7,922	14,894	3,404	14,000	18,298
Santa Clara		Light Aircraft	39	50	89	5,153	6,756	11,909	0	0	11,909
		Airtankers	36	61	97	19,093	34,587	53,680	10,640	52,800	64,320
Sonoma		Light Aircraft	35	32	67	4,913	4,526	9,439	0	0	9,439
		Airtankers	62	32	94	33,576	17,893	51,469	26,509	47,190	77,978
Marin County		Light Aircraft	2	6	8	256	905	1,161	0	0	1,161
		Airtankers	3	10	13	1,530	5,848	7,378	1,440	12,800	8,818
Region I HQs		Light Aircraft	10	7	17	1,420	952	2,372	0	0	2,372
		Airtankers	<u>14</u>	<u>10</u>	<u>24</u>	<u>7,941</u>	<u>5,664</u>	<u>13,605</u>	<u>488</u>	<u>800</u>	<u>14,093</u>
REG I TOTAL		Light Aircraft	225	211	436	31,018	29,157	60,175	0	0	60,175
		Airtankers	262	312	574	142,148	185,184	327,332	97,339	313,570	424,671

ANNUAL AIRCRAFT ACTIVITY REPORT  
SUMMARY OF AIRCRAFT USED ON STATE RESPONSIBILITY AREA  
Region II 1989

Region II Ranger Unit		Hours of Use			Flight Time		Cost	Retard.	Retard.	Total	
<u>Contract</u>	<u>County</u>	<u>Type of Aircraft</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Cost</u>	<u>Del.</u>	<u>Cost</u>
Butte		Light Aircraft	69	60	129	9,657	8,407	18,064	0	0	18,064
		Airtankers	28	30	58	16,953	18,416	35,369	8,461	27,809	43,830
Lassen-Modoc		Light Aircraft	0	11	11	0	1,544	1,544	0	0	1,544
		Airtankers	4	49	53	4,157	34,403	38,560	0	72,570	38,560
Nev-Yuba-Placer		Light Aircraft	73	11	84	10,202	1,570	11,772	0	0	11,772
		Airtankers	32	16	48	17,557	8,964	26,521	21,817	28,390	48,338
Shasta-Trinity		Light Aircraft	90	8	98	12,508	1,155	13,663	0	0	13,663
		Airtankers	31	12	43	22,428	9,608	32,036	26,978	23,933	59,014
Tehama-Glenn		Light Aircraft	23	17	40	3,210	2,419	5,629	0	0	5,629
		Airtankers	13	11	24	8,094	8,882	16,976	7,828	23,980	24,804
Region II HQs		Light Aircraft	4	0	4	546	0	546	0	0	546
		Airtankers	<u>1</u>	<u>0</u>	<u>1</u>	<u>589</u>	<u>0</u>	<u>589</u>	<u>0</u>	<u>0</u>	<u>589</u>
REG II TOTAL		Light Aircraft	259	107	366	36,123	15,095	51,218	0	0	51,218
		Airtankers	109	118	227	69,778	80,273	150,051	65,084	176,682	215,135



ANNUAL AIRCRAFT ACTIVITY REPORT  
SUMMARY OF AIRCRAFT USED ON STATE RESPONSIBILITY AREA  
Region III 1989

Region III Ranger Unit <u>Contract County</u>		<u>Hours of Use</u>			<u>Flight Time</u>		<u>Cost</u>	<u>Retard.</u>	<u>Retard.</u>	<u>Total</u>
<u>Type of Aircraft</u>		<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Cost</u>	<u>Del.</u>	<u>Cost</u>
Owens Valley	Light Aircraft	0	0	0	0	0	0	0	0	0
	Airtankers	1	2	3	1,689	1,841	3,530	0	2,000	3,530
Riverside	Light Aircraft	11	84	95	1,556	11,458	13,014	0	0	13,014
	Airtankers	11	148	159	6,030	84,605	90,635	1,842	294,600	92,477
San Bernardino	Light Aircraft	0	17	17	72	2,308	2,380	0	0	2,380
	Airtankers	1	30	31	568	16,171	16,739	0	39,200	16,739
San Diego	Light Aircraft	105	36	141	14,704	4,787	19,491	0	0	19,491
	Airtankers	87	70	157	48,053	37,557	85,610	59,700	94,400	145,310
San Luis Obispo	Light Aircraft	60	46	106	8,487	6,355	14,842	0	0	14,842
	Airtankers	16	51	67	10,728	31,162	41,890	8,638	61,200	50,528
Los Angeles	Light Aircraft	0	3	3	0	368	368	0	0	368
	Airtankers	0	10	10	0	5,243	5,243	0	5,600	5,243
Orange County	Light Aircraft	1	2	3	116	266	382	0	0	382
	Airtankers	0	5	5	0	2,575	2,575	0	4,800	2,575
Santa Barbara Co.	Light Aircraft	2	0	2	240	0	240	0	0	240
	Airtankers	0	6	6	0	3,109	3,109	0	1,000	3,109
Region III HQs	Light Aircraft	3	0	3	408	0	408	0	0	408
	Airtankers	<u>2</u>	<u>4</u>	<u>6</u>	<u>1,237</u>	<u>2,209</u>	<u>3,446</u>	<u>0</u>	<u>0</u>	<u>3,446</u>
REG III TOTAL	Light Aircraft	182	188	370	25,583	25,542	51,125	0	0	51,125
	Airtankers	118	326	444	68,305	184,472	252,777	70,180	502,800	322,957

ANNUAL AIRCRAFT ACTIVITY REPORT  
SUMMARY OF AIRCRAFT USED ON STATE RESPONSIBILITY AREA  
Region IV 1989

Region IV Ranger Unit		Hours of Use			Flight Time		Cost	Retard.	Retard.	Total
<u>Contract</u> <u>County</u>	<u>Type of Aircraft</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Supt.</u>	<u>Emerg.</u>	<u>Total</u>	<u>Cost</u>	<u>Del.</u>	<u>Cost</u>
Amador-El Dorado	Light Aircraft	76	10	86	10,269	1,355	11,624	0	0	11,624
	Airtankers	74	28	102	39,821	16,379	56,200	13,116	18,607	69,316
Fresno-Kings	Light Aircraft	21	66	87	2,986	8,997	11,983	0	0	11,983
	Airtankers	17	83	100	12,238	48,928	61,166	8,496	94,973	69,662
Madera-Mariposa	Light Aircraft	32	18	50	4,369	2,358	6,727	0	0	6,727
	Airtankers	53	31	84	28,766	18,029	46,795	17,637	28,880	64,432
San Benito-Mont.	Light Aircraft	52	173	225	6,983	23,238	30,221	0	0	30,221
	Airtankers	41	157	198	22,409	89,032	111,441	14,412	133,800	125,853
Tulare	Light Aircraft	8	16	24	1,091	2,163	3,254	0	0	3,254
	Airtankers	1	3	4	1,461	1,303	2,764	1,240	0	4,004
Tuolumne-Cal.	Light Aircraft	102	25	127	13,418	3,360	16,778	0	0	16,778
	Airtankers	72	78	150	37,999	45,051	83,050	46,090	127,467	129,140
Kern County	Light Aircraft	1	0	1	145	0	145	0	0	145
	Airtankers	3	8	11	2,719	5,822	8,541	1,240	6,400	9,781
Region IV HQs	Light Aircraft	2	0	2	214	0	214	0	0	214
	Airtankers	7	4	11	6,020	2,412	8,432	0	0	8,432
Sacramento HQs	Light Aircraft	19	5	24	2,611	719	3,330	0	0	3,330
	Airtankers	<u>31</u>	<u>37</u>	<u>68</u>	<u>17,036</u>	<u>19,837</u>	<u>36,873</u>	<u>3,561</u>	<u>1,600</u>	<u>40,434</u>
REG III TOTAL	Light Aircraft	313	313	626	42,086	42,190	84,276	0	0	84,276
	Airtankers	299	429	728	168,469	246,793	415,262	105,792	411,727	521,054

EMERGENCY CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP

<u>CONSERVATION CAMPS</u>	<u>PERSON DAYS WORKED</u>	<u>PERSON DAYS FIRE CONTROL</u>	<u>PERSON DAYS FLOOD CONTROL</u>	<u>PERSON DAYS SEARCH RESCUE</u>	<u>PERSON DAYS EMERGENCY OTHER</u>
ADULT CONSERVATION CAMPS					
Alder	26,142	2,436	0	13	17
Delta	34,493	6,712	0	0	0
Antelope	29,401	5,378	0	0	0
Baseline	24,730	5,082	0	122	0
Black Mountain	24,336	5,211	0	0	0
Chamberlain Creek	27,866	3,405	0	0	0
Cuesta	19,963	5,124	0	0	0
Gabilan	38,498	10,003	0	0	1,161
Cummings Valley	5,080	1,089	0	0	0
Deadwood	22,078	3,137	0	65	0
Eel River	32,309	4,134	0	0	0
Green Valley	18,806	3,403	0	0	0
Growlersburg	32,691	3,824	0	266	349
Intermountain	23,463	2,088	0	0	4
Ishi	22,551	5,127	40	0	0
Salt Creek	34,964	7,041	0	0	218
Sugar Pine	30,565	3,985	0	0	0
Trinity	32,976	5,642	0	0	0
Devils Garden	32,980	5,557	0	0	0
Konocti	30,946	4,979	0	0	486
Miramonte	24,826	6,388	0	0	0
Mountain Home	32,830	7,546	0	0	0
Norco	20,116	6,667	0	0	0
Owens Valley	36,756	7,315	0	0	0
Parlin Fork	28,990	4,521	0	0	0
Pilot Rock	22,597	4,659	0	0	0
Prado	28,663	7,913	0	0	0
Puerta La Cruz	39,606	9,559	0	0	0

EMERGENCY CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP

<u>CONSERVATION CAMPS</u>	<u>PERSON DAYS WORKED</u>	<u>PERSON DAYS FIRE CONTROL</u>	<u>PERSON DAYS FLOOD CONTROL</u>	<u>PERSON DAYS SEARCH RESCUE</u>	<u>PERSON DAYS EMERGENCY OTHER</u>
Rainbow	30,367	6,633	0	0	0
Vallecito	30,566	5,202	0	0	766
Bautista	33,520	7,213	0	0	0
McCain Valley	<u>27,210</u>	<u>4,025</u>	<u>0</u>	<u>0</u>	<u>0</u>
	900,885	170,998	40	466	3,001

YOUTH CONSERVATION CAMPS

Ben Lomond	28,478	5,938	0	0	0
Dewitt Nelson	21,063	5,355	0	0	0
Fenner Canyon	28,141	5,611	0	0	0
Los Robles	31,652	6,887	0	0	0
Mt. Bullion	31,228	5,015	0	0	4
Oak Glen	35,448	8,311	0	0	0
Pine Grove	33,110	5,580	0	0	0
Washington Ridge	<u>30,330</u>	<u>4,631</u>	<u>0</u>	<u>8</u>	<u>590</u>
	239,450	47,328	0	8	594

COUNTY CAMPS

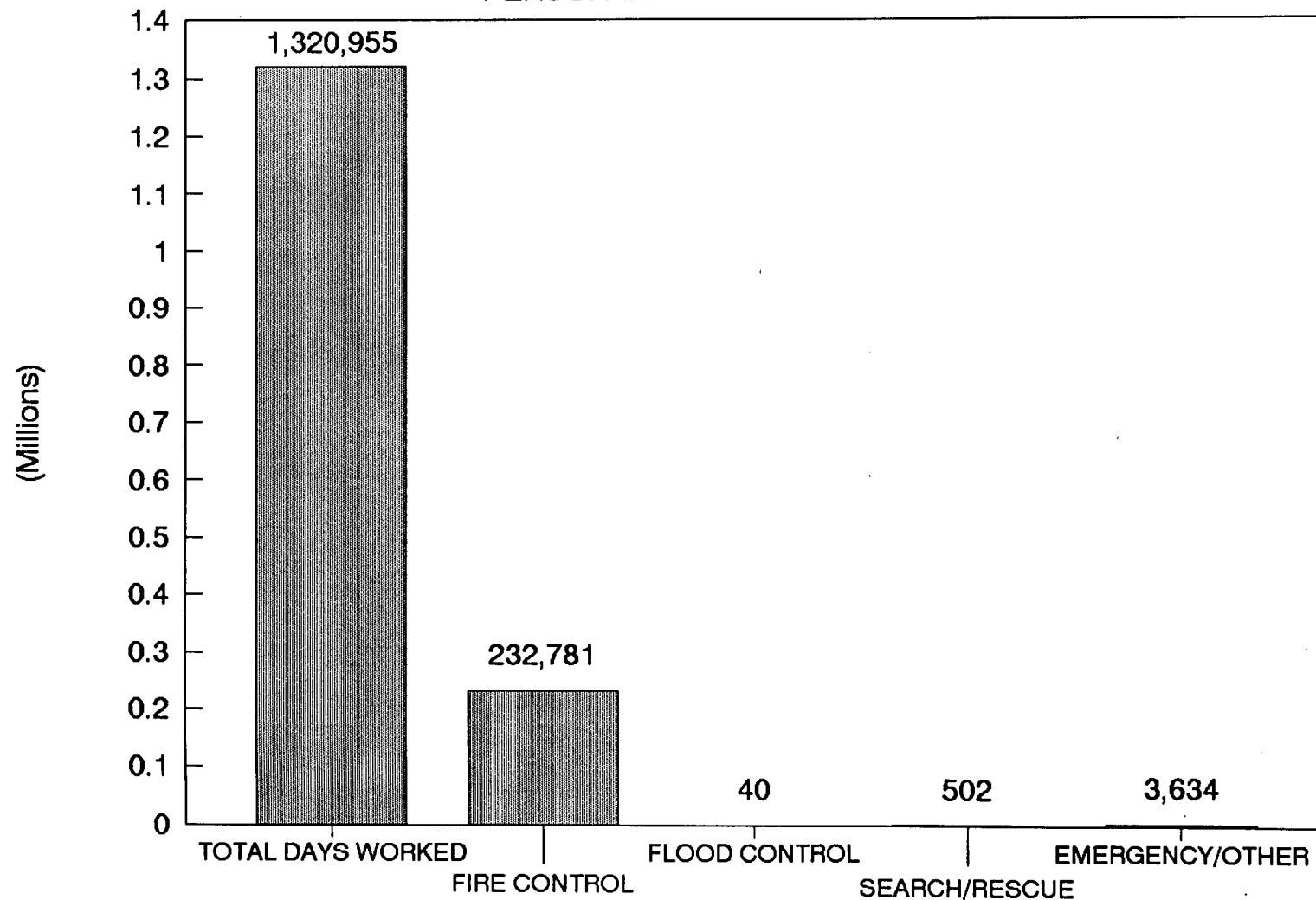
Crystal Creek	22,470	3,940	0	0	0
La Cima	23,175	4,399	0	0	0
Morena	<u>17,348</u>	<u>2,596</u>	<u>0</u>	<u>0</u>	<u>0</u>
	62,993	10,935	0	0	0

EMERGENCY CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP

<u>CONSERVATION CAMPS</u>	<u>PERSON DAYS WORKED</u>	<u>PERSON DAYS FIRE CONTROL</u>	<u>PERSON DAYS FLOOD CONTROL</u>	<u>PERSON DAYS SEARCH RESCUE</u>	<u>PERSON DAYS EMERGENCY OTHER</u>
FIRE CENTERS (CCC)					
Butte	16,436	2,307	0	0	39
Humboldt	<u>11,260</u>	<u>394</u>	<u>0</u>	<u>28</u>	<u>0</u>
	27,696	2,701	0	28	39
TRAINING CENTER					
Sierra FTP	14,589	0	0	0	0
YTS FTP	15,453	335	0	0	0
CIW Training Ctr	26,424	484	0	0	0
Preston FTP	16,683	0	0	0	0
Susanville FTP	<u>16,782</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	89,931	819	0	0	0
TOTALS	1,320,955	232,781	40	502	3,634

# EMERGENCY CONSERVATION CAMP ACTIVITY

PERSON DAYS DISTRIBUTION



ALL CONSERVATION CAMPS

CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP BY AGENCY

<u>CONSERVATION CAMPS</u>	<u>CDF</u> <u>PERSON</u> <u>DAYS</u> <u>WORKED</u>	<u>P&amp;R</u> <u>PERSON</u> <u>DAYS</u> <u>WORKED</u>	<u>DWR</u> <u>PERSON</u> <u>DAYS</u> <u>WORKED</u>	<u>CAL</u> <u>PERSON</u> <u>DAYS</u> <u>WORKED</u>
ADULT CONSERVATION CAMPS				
Alder	10,970	4,513	0	482
Delta	18,740	2,565	801	0
Antelope	8,535	0	0	2,198
Baseline	8,851	864	0	1,191
Black Mountain	11,165	3,544	0	287
Chamberlain Creek	15,502	2,401	0	499
Cuesta	15,453	1,910	0	0
Gabilan	15,448	4,302	0	43
Cummings Valley	1,940	1,205	0	0
Deadwood	6,988	707	0	879
Eel River	9,279	6,273	0	2,559
Green Valley	5,976	3,799	556	0
Growlersburg	15,313	3,313	0	0
Intermountain	7,077	1,847	0	1,443
Ishi	10,347	124	0	888
Salt Creek	11,952	1,043	0	452
Sugar Pine	14,895	0	0	2,530
Trinity	11,524	0	72	2,275
Devils Garden	7,952	0	0	2,239
Konocti	17,136	520	16	466
Miramonte	12,934	0	0	13
Mountain Home	19,423	0	0	802
Norco	12,558	50	775	0
Owens Valley	12,471	0	1,910	638
Parlin Fork	19,902	1,189	0	700
Pilot Rock	13,904	994	138	0
Prado	11,459	2,466	0	0
Puerta La Cruz	18,352	1,978	0	0

CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP BY AGENCY

<u>CONSERVATION CAMPS</u>	CDF PERSON DAYS <u>WORKED</u>	P&R PERSON DAYS <u>WORKED</u>	DWR PERSON DAYS <u>WORKED</u>	CAL PERSON DAYS <u>WORKED</u>
Rainbow	19,472	5,030	0	0
Vallecito	14,962	2,600	0	1,232
Bautista	17,673	0	0	0
McCain Valley	<u>8,092</u>	<u>0</u>	<u>0</u>	<u>604</u>
	406,245	53,237	4,268	22,420
 YOUTH CONSERVATION CAMPS				
Ben Lomond	18,485	2,815	0	0
Dewitt Nelson	8,568	3,169	0	0
Fenner Canyon	8,714	329	1,310	0
Los Robles	10,220	245	0	3,427
Mt. Bullion	10,042	0	0	1,448
Oak Glen	24,815	1,080	0	374
Pine Grove	14,490	201	0	75
Washington Ridge	<u>11,387</u>	<u>4,163</u>	<u>0</u>	<u>2,105</u>
	106,721	12,002	1,310	7,429
 COUNTY CAMPS				
Crystal Creek	10,266	0	0	539
La Cima	12,451	2,256	0	0
Morena	<u>14,513</u>	<u>270</u>	<u>0</u>	<u>0</u>
	37,230	2,526	0	539

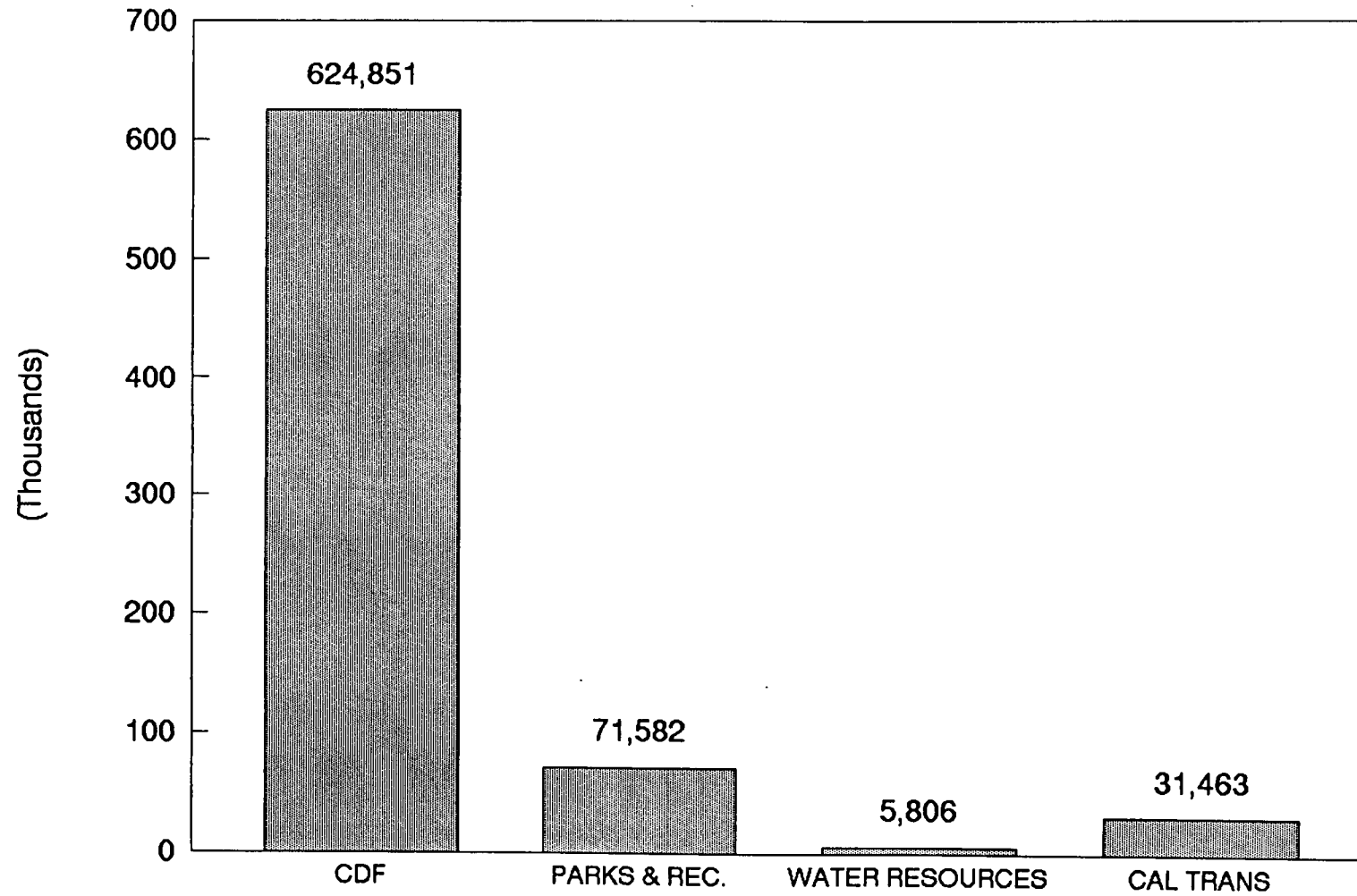


CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION BY CAMP BY AGENCY

<u>CONSERVATION CAMPS</u>	CDF PERSON DAYS <u>WORKED</u>	P&R PERSON DAYS <u>WORKED</u>	DWR PERSON DAYS <u>WORKED</u>	CAL PERSON DAYS <u>WORKED</u>
FIRE CENTERS (CCC)				
Butte	8,004	1,987	228	228
Humboldt	<u>5,743</u>	<u>1,830</u>	<u>0</u>	<u>847</u>
	13,747	3,817	228	1,075
TRAINING CENTER				
Sierra FTP	13,844	0	0	0
YTS FTP	6,938	0	0	0
CIW Training Ctr	10,062	0	0	0
Preston FTP	13,282	0	0	0
Susanville FTP	<u>16,782</u>	<u>0</u>	<u>0</u>	<u>0</u>
	60,908	0	0	0
TOTALS	624,851	71,582	5,806	31,463

# CONSERVATION CAMP ACTIVITY

PERSON DAYS DISTRIBUTION BY AGENCY

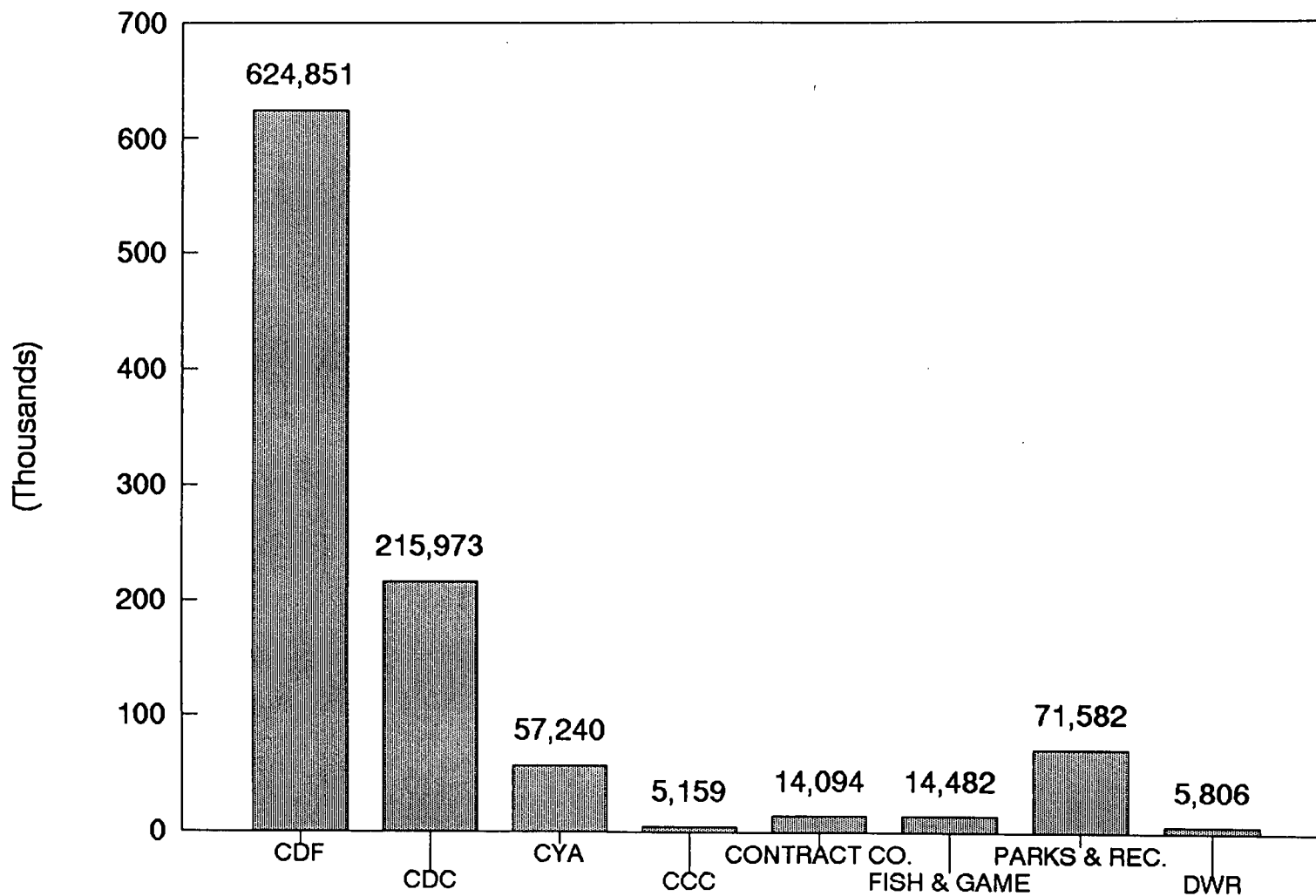


CONSERVATION CAMP ACTIVITY  
PERSON DAYS DISTRIBUTION  
ALL AGENCIES

<u>ALL CAMPS</u>	<u>1STQTR</u>	<u>2NDQTR</u>	<u>3RDQTR</u>	<u>4THQTR</u>	<u>TOTAL</u>
CDF	108,756	158,903	233,249	123,943	624,851
CDC	54,006	54,342	53,116	54,509	215,973
CYA	14,853	14,415	13,304	14,668	57,240
CCC	1,135	1,528	1,553	943	5,159
CONTRACT COUNTY	1,120	3,812	7,151	2,011	14,094
F & G	5,654	2,597	3,612	2,619	14,482
P & R	20,357	16,356	15,666	19,203	71,582
DWR	2,382	959	1,226	1,239	5,806
CAL TRANS	8,600	5,383	5,862	11,618	31,463
OTHER STATE AGENCIES	3,161	4,492	3,955	5,145	16,753
USFS	15,584	26,267	68,645	23,378	133,874
BLM	4,886	3,039	2,885	3,252	14,062
NATIONAL PARKS	2,426	1,272	1,522	1,501	6,721
US CORPS OF ENGINEERS	4,361	1,203	1,771	1,966	9,301
OTHER FEDERAL AGENCIES	3,644	2,031	2,982	1,868	10,525
LOCAL GOVERNMENT	21,445	18,034	16,432	21,828	77,739
NON-PROFIT ORGANIZATION	<u>2,154</u>	<u>3,918</u>	<u>2,474</u>	<u>2,495</u>	<u>11,041</u>
	274,524	318,551	435,405	292,186	1,320,666

# CONSERVATION CAMP ACTIVITY

ALL AGENCIES PERSON DAYS



# CONSERVATION CAMP ACTIVITY

ALL AGENCIES PERSON DAYS

